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OM protein - protein search, using sw model

Run on: February 1, 2005, 07:47:50 ; Search time 61.1429 Seconds  
(without alignments)  
118.179 Million cell updates/sec

Title: US-09-202-464-32

Perfect score: 119

Sequence: 1 CANWVRSTQDSFNNQAYFV 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289396 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

- 1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep:\*
- 2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep:\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep:\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep:\*
- 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep:\*
- 6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep:\*
- 7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep:\*
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- 9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep:\*
- 10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep:\*
- 11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep:\*
- 12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep:\*
- 13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep:\*
- 14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep:\*
- 15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep:\*
- 16: /cgn2\_6/ptodata/1/pubpaa/US10D\_PUBCOMB.pep:\*
- 17: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep:\*
- 18: /cgn2\_6/ptodata/1/pubpaa/US11\_NEW\_PUB.pep:\*
- 19: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep:\*
- 20: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	71	59.7	15	14 US-10-354-240-73	Sequence 73, Appl
2	67	56.3	15	14 US-10-354-240-74	Sequence 74, Appl
3	57	47.9	15	14 US-10-354-240-72	Sequence 72, Appl
4	41	34.5	15	14 US-10-354-240-75	Sequence 75, Appl
5	41	34.5	18	16 US-10-742-379-93	Sequence 93, Appl
6	40.5	34.0	13	16 US-10-468-496-1269	Sequence 1269, Ap
7	40.5	34.0	13	16 US-10-468-496-1270	Sequence 1270, Ap
8	40.5	34.0	13	16 US-10-468-496-1271	Sequence 1271, Ap
9	39	32.8	13	16 US-10-468-496-1267	Sequence 1267, Ap
10	39	32.8	13	16 US-10-468-496-1268	Sequence 1268, Ap
11	37	31.1	8	9 US-09-962-445-15	Sequence 15, Appl
12	35	29.4	7	16 US-10-714-564A-323	Sequence 323, App
13	35	29.4	8	16 US-10-714-564A-324	Sequence 324, App

14	35	29.4	9	16	US-10-714-564A-325	Sequence 325, App
15	35	29.4	10	16	US-10-714-564A-326	Sequence 326, App
16	35	29.4	11	16	US-10-714-564A-327	Sequence 327, App
17	35	29.4	12	16	US-10-714-564A-328	Sequence 328, App
18	35	29.4	20	14	US-10-225-567A-1734	Sequence 1734, Ap
19	34	28.6	7	16	US-10-714-564A-261	Sequence 261, App
20	34	28.6	7	16	US-10-714-564A-283	Sequence 283, App
21	34	28.6	7	16	US-10-714-564A-1326	Sequence 1326, Ap
22	34	28.6	8	16	US-10-714-564A-262	Sequence 262, App
23	34	28.6	8	16	US-10-714-564A-284	Sequence 284, App
24	34	28.6	9	16	US-10-714-564A-263	Sequence 263, App
25	34	28.6	9	16	US-10-714-564A-285	Sequence 285, App
26	34	28.6	10	13	US-10-100-952-154	Sequence 154, App
27	34	28.6	10	13	US-10-100-952-162	Sequence 162, App
28	34	28.6	10	16	US-10-714-564A-264	Sequence 264, App
29	34	28.6	10	16	US-10-714-564A-286	Sequence 286, App
30	34	28.6	10	16	US-10-714-564A-339	Sequence 339, App
31	34	28.6	10	16	US-10-714-564A-1329	Sequence 1329, Ap
32	34	28.6	11	13	US-10-100-952-138	Sequence 138, App
33	34	28.6	11	13	US-10-100-952-146	Sequence 146, App
34	34	28.6	11	16	US-10-714-564A-265	Sequence 265, App
35	34	28.6	11	16	US-10-714-564A-287	Sequence 287, App
36	34	28.6	11	16	US-10-714-564A-340	Sequence 340, App
37	34	28.6	11	16	US-10-714-564A-1330	Sequence 1330, Ap
38	34	28.6	12	16	US-10-363-204-213	Sequence 213, App
39	34	28.6	12	16	US-10-714-564A-266	Sequence 266, App
40	34	28.6	12	16	US-10-714-564A-288	Sequence 288, App
41	34	28.6	12	16	US-10-714-564A-341	Sequence 341, App
42	34	28.6	12	16	US-10-714-564A-345	Sequence 345, App
43	34	28.6	14	13	US-10-100-952-122	Sequence 122, App
44	34	28.6	14	13	US-10-100-952-130	Sequence 130, App
45	34	28.6	14	13	US-10-100-952-185	Sequence 185, App

#### ALIGNMENTS

#### RESULT 1

US-10-354-240-73  
; Sequence 73, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 73  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptosporidia japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 59  
US-10-354-240-73

Query Match 59.7%; Score 71; DB 14; Length 15;  
Best Local Similarity 73.3%; Pred. No. 0.0027;  
Matches 11; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 CANWVRSTQDSFNN 15  
|:|||||:|||||

Db 1 CSNWVWQSTQDFVFN 15

## RESULT 2

US-10-354-240-74  
; Sequence 74, Application US/10354240  
; Publication No. US20030185847A1

## ; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-10301  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 74  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 60  
US-10-354-240-74

Query Match 56.3%; Score 67; DB 14; Length 15;  
Best Local Similarity 80.0%; Pred. No. 0.01;  
Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 6 WRSTQDSFNNGAYFV 20

Db 1 WQSTQDFVNGAYFV 15

## RESULT 3

US-10-354-240-72  
; Sequence 72, Application US/10354240  
; Publication No. US20030185847A1

## ; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-10301  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 72  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 58  
US-10-354-240-72

Query Match 47.9%; Score 57; DB 14; Length 15;

Best Local Similarity 80.0%; Pred. No. 0.27;  
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 CANVWVRSTQ 10

Db 6 CSNWVWQSTQ 15

## RESULT 4

US-10-354-240-75  
; Sequence 75, Application US/10354240  
; Publication No. US20030185847A1

## ; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-10301  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 75  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 61  
US-10-354-240-75

Query Match 34.5%; Score 41; DB 14; Length 15;  
Best Local Similarity 80.0%; Pred. No. 53;  
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 11 DSFNNGAYFV 20

Db 1 DVFYNGAYFV 10

## RESULT 5

US-10-742-379-93  
; Sequence 93, Application US/10742379  
; Publication No. US20040181033A1

## ; GENERAL INFORMATION:

; APPLICANT: Min, Hosung  
; APPLICANT: Han, HQ  
; TITLE OF INVENTION: BINDING AGENTS WHICH INHIBIT MYOSTATIN  
; FILE REFERENCE: A-828 (US)  
; CURRENT APPLICATION NUMBER: US/10/742,379  
; CURRENT FILING DATE: 2003-12-19  
; PRIOR APPLICATION NUMBER: US 60/435,923  
; PRIOR FILING DATE: 2002-12-20  
; NUMBER OF SEQ ID NOS: 634  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 93  
; LENGTH: 18  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Myostatin Binding Peptide  
US-10-742-379-93

Query Match 34.5%; Score 41; DB 16; Length 18;  
Best Local Similarity 66.7%; Pred. No. 63;

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Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
Qy 1 CANVWVRST 9
   |||||
Db 4 CAMWGMENT 12

RESULT 6
US-10-468-496-1269
; Sequence 1269, Application US/10468496
; Publication No. US20040180386A1
; GENERAL INFORMATION:
; APPLICANT: Carr, Francis J.
; APPLICANT: Carter, Graham
; APPLICANT: Jones, Tim
; APPLICANT: Williams, Stephen
; APPLICANT: Hamilton, Anita
; APPLICANT: Hamilton, Anita
; TITLE OF INVENTION: METHOD FOR IDENTIFICATION OF T-CELL
; TITLE OF INVENTION: EPITOPES AND USE FOR PREPARING MOLECULES WITH REDUCED
; FILE REFERENCE: MER-117
; CURRENT APPLICATION NUMBER: US/10/468,496
; CURRENT FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 01103954.2
; PRIOR FILING DATE: 2001-02-19
; PRIOR APPLICATION NUMBER: 01105777.5
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 01106538.0
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 01106536.4
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 2036
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1269
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MHC class II binding epitope
US-10-468-496-1269

Query Match 34.0%; Score 40.5; DB 16; Length 13;
Best Local Similarity 63.6%; Pred. No. 55;
Matches 7; Conservative 1; Indels 1; Gaps 1;

Qy 4 WVRSTQDSFN 14
   |||||
Db 3 WLWRSKD-FN 12

RESULT 7
US-10-468-496-1270
; Sequence 1270, Application US/10468496
; Publication No. US20040180386A1
; GENERAL INFORMATION:
; APPLICANT: Carr, Francis J.
; APPLICANT: Carter, Graham
; APPLICANT: Jones, Tim
; APPLICANT: Williams, Stephen
; APPLICANT: Hamilton, Anita
; APPLICANT: Hamilton, Anita
; TITLE OF INVENTION: METHOD FOR IDENTIFICATION OF T-CELL
; TITLE OF INVENTION: EPITOPES AND USE FOR PREPARING MOLECULES WITH REDUCED
; FILE REFERENCE: MER-117
; CURRENT APPLICATION NUMBER: US/10/468,496
; CURRENT FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 01103954.2
; PRIOR FILING DATE: 2001-02-19
; PRIOR APPLICATION NUMBER: 01105777.5
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; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 01106538.0
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 01106536.4
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 01107012.5
; PRIOR FILING DATE: 2001-03-20
; PRIOR APPLICATION NUMBER: 01106899.6
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 2036
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1270
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MHC class II binding epitope
US-10-468-496-1270

Query Match 34.0%; Score 40.5; DB 16; Length 13;
Best Local Similarity 63.6%; Pred. No. 55;
Matches 7; Conservative 2; Mismatches 1; Indels 1; Gaps 1;

Qy 4 WVRSTQDSFN 14
   |||||
Db 2 WLWRSKD-FN 11

RESULT 8
US-10-468-496-1271
; Sequence 1271, Application US/10468496
; Publication No. US20040180386A1
; GENERAL INFORMATION:
; APPLICANT: Carr, Francis J.
; APPLICANT: Carter, Graham
; APPLICANT: Jones, Tim
; APPLICANT: Williams, Stephen
; APPLICANT: Hamilton, Anita
; APPLICANT: Hamilton, Anita
; TITLE OF INVENTION: METHOD FOR IDENTIFICATION OF T-CELL
; TITLE OF INVENTION: EPITOPES AND USE FOR PREPARING MOLECULES WITH REDUCED
; FILE REFERENCE: MER-117
; CURRENT APPLICATION NUMBER: US/10/468,496
; CURRENT FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 01103954.2
; PRIOR FILING DATE: 2001-02-19
; PRIOR APPLICATION NUMBER: 01105777.5
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 01106538.0
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 01106536.4
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 01107012.5
; PRIOR FILING DATE: 2001-03-20
; PRIOR APPLICATION NUMBER: 01106899.6
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 2036
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1271
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MHC class II binding epitope
US-10-468-496-1271

Query Match 34.0%; Score 40.5; DB 16; Length 13;
Best Local Similarity 63.6%; Pred. No. 55;
Matches 7; Conservative 2; Mismatches 1; Indels 1; Gaps 1;

Qy 4 WVRSTQDSFN 14
   |||||
Db 1 WLWRSKD-FN 10
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RESULT 9  
US-10-468-496-1267  
; Sequence 1267, Application US/10468496  
; Publication No. US20040180386A1  
; GENERAL INFORMATION:  
; APPLICANT: Carr, Francis J.  
; APPLICANT: Jones, Graham  
; APPLICANT: Williams, Stephen  
; APPLICANT: Hamilton, Anita  
; TITLE OF INVENTION: METHOD FOR IDENTIFICATION OF T-CELL  
; TITLE OF INVENTION: EPITOPES AND USE FOR PREPARING MOLECULES WITH REDUCED  
; TITLE OF INVENTION: IMMUNOGENICITY  
; FILE REFERENCE: MER-117  
; CURRENT APPLICATION NUMBER: US/10/468,496  
; CURRENT FILING DATE: 2003-09-25  
; PRIOR APPLICATION NUMBER: 01103954.2  
; PRIOR FILING DATE: 2001-02-19  
; PRIOR APPLICATION NUMBER: 01105777.5  
; PRIOR FILING DATE: 2001-03-08  
; PRIOR APPLICATION NUMBER: 01106538.0  
; PRIOR FILING DATE: 2001-03-15  
; PRIOR APPLICATION NUMBER: 01106536.4  
; PRIOR FILING DATE: 2001-03-15  
; PRIOR APPLICATION NUMBER: 01107012.5  
; PRIOR FILING DATE: 2001-03-20  
; PRIOR APPLICATION NUMBER: 01106899.6  
; PRIOR FILING DATE: 2001-03-20  
; PRIOR APPLICATION NUMBER: 01106538.0  
; PRIOR FILING DATE: 2001-03-20  
; NUMBER OF SEQ ID NOS: 2036  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1267  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: MHC class II binding epitope  
US-10-468-496-1267

Query Match 32.8%; Score 39; DB 16; Length 13;  
Best Local Similarity 62.5%; Pred. No. 90;  
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 4 WVRSTQD 11  
|:||||:|  
Db 6 WLWRSKD 13

RESULT 10  
US-10-468-496-1268  
; Sequence 1268, Application US/10468496  
; Publication No. US20040180386A1  
; GENERAL INFORMATION:  
; APPLICANT: Carr, Francis J.  
; APPLICANT: Jones, Tim  
; APPLICANT: Williams, Stephen  
; APPLICANT: Hamilton, Anita  
; TITLE OF INVENTION: METHOD FOR IDENTIFICATION OF T-CELL  
; TITLE OF INVENTION: EPITOPES AND USE FOR PREPARING MOLECULES WITH REDUCED  
; TITLE OF INVENTION: IMMUNOGENICITY  
; FILE REFERENCE: MER-117  
; CURRENT APPLICATION NUMBER: US/10/468,496  
; CURRENT FILING DATE: 2003-09-25  
; PRIOR APPLICATION NUMBER: 01103954.2  
; PRIOR FILING DATE: 2001-02-19  
; PRIOR APPLICATION NUMBER: 01105777.5  
; PRIOR FILING DATE: 2001-03-08  
; PRIOR APPLICATION NUMBER: 01106538.0  
; PRIOR FILING DATE: 2001-03-15  
; PRIOR APPLICATION NUMBER: 01106536.4  
; PRIOR FILING DATE: 2001-03-15

; PRIOR APPLICATION NUMBER: 01107012.5  
; PRIOR FILING DATE: 2001-03-20  
; PRIOR APPLICATION NUMBER: 01106899.6  
; PRIOR FILING DATE: 2001-03-20  
; NUMBER OF SEQ ID NOS: 2036  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1268  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: MHC class II binding epitope  
US-10-468-496-1268

Query Match 32.8%; Score 39; DB 16; Length 13;  
Best Local Similarity 62.5%; Pred. No. 90;  
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 4 WVRSTQD 11  
|:||||:|  
Db 5 WLWRSKD 12

## RESULT 11

US-09-962-445-15  
; Sequence 15, Application US/09962445  
; Publication No. US20020192705A1  
; GENERAL INFORMATION:  
; APPLICANT: MATSUSHITA, Sho et al.  
; TITLE OF INVENTION: Clonal Expansion of T Cells of Unknown Specificity and Identific  
; TITLE OF INVENTION: Ligand Recognized by the Clonally Expanded T Cells  
; FILE REFERENCE: 0020-4906P  
; CURRENT APPLICATION NUMBER: US/09/962,445  
; CURRENT FILING DATE: 2001-12-28  
; PRIOR APPLICATION NUMBER: JP 2001-79621  
; PRIOR FILING DATE: 2001-03-21  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 15  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Japanese cedar pollen  
US-09-962-445-15

Query Match 31.1%; Score 37; DB 9; Length 8;  
Best Local Similarity 87.5%; Pred. No. 1.5e+06;  
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 13 FNNGAYFV 20  
|:|||||  
Db 1 FYNGAYFV 8

## RESULT 12

US-10-714-564A-323  
; Sequence 323, Application US/10714564A  
; Publication No. US20040175361A1  
; GENERAL INFORMATION:  
; APPLICANT: Blaschuk, Orest W.  
; APPLICANT: Michaud, Stephanie D.  
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING  
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS  
; FILE REFERENCE: 100086.418  
; CURRENT APPLICATION NUMBER: US/10/714,564A  
; CURRENT FILING DATE: 2003-11-14  
; NUMBER OF SEQ ID NOS: 1402  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 323  
; LENGTH: 7  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Exemplary cyclic peptide

## US-10-714-564A-323

Query Match 29.4%; Score 35; DB 16; Length 7;  
Best Local Similarity 66.7%; Pred. No. 1.5e+06;  
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 CANVWV 6  
| :|||  
Db 1 CRSWVW 6

## RESULT 13

US-10-714-564A-324  
; Sequence 324, Application US/10714564A  
; Publication No. US20040175361A1  
; GENERAL INFORMATION:  
; APPLICANT: Blaschuk, Orest W.  
; APPLICANT: Michaud, Stephanie D.  
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING  
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS  
; FILE REFERENCE: 100086.418  
; CURRENT APPLICATION NUMBER: US/10/714,564A  
; CURRENT FILING DATE: 2003-11-14  
; NUMBER OF SEQ ID NOS: 1402  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 324  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Exemplary cyclic peptide  
US-10-714-564A-324

Query Match 29.4%; Score 35; DB 16; Length 8;  
Best Local Similarity 66.7%; Pred. No. 1.5e+06;  
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 CANVWV 6  
| :|||  
Db 1 CRSWVW 6

## RESULT 14

US-10-714-564A-325  
; Sequence 325, Application US/10714564A  
; Publication No. US20040175361A1  
; GENERAL INFORMATION:  
; APPLICANT: Blaschuk, Orest W.  
; APPLICANT: Michaud, Stephanie D.  
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING  
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS  
; FILE REFERENCE: 100086.418  
; CURRENT APPLICATION NUMBER: US/10/714,564A  
; CURRENT FILING DATE: 2003-11-14  
; NUMBER OF SEQ ID NOS: 1402  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 325  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Exemplary cyclic peptide  
US-10-714-564A-325

Query Match 29.4%; Score 35; DB 16; Length 9;  
Best Local Similarity 66.7%; Pred. No. 1.5e+06;  
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 CANVWV 6  
| :|||  
Db 1 CRSWVW 6

## RESULT 15

US-10-714-564A-326  
; Sequence 326, Application US/10714564A  
; Publication No. US20040175361A1  
; GENERAL INFORMATION:  
; APPLICANT: Blaschuk, Orest W.  
; APPLICANT: Michaud, Stephanie D.  
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING  
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS  
; FILE REFERENCE: 100086.418  
; CURRENT APPLICATION NUMBER: US/10/714,564A  
; CURRENT FILING DATE: 2003-11-14  
; NUMBER OF SEQ ID NOS: 1402  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 326  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Exemplary cyclic peptide  
US-10-714-564A-326

Query Match 29.4%; Score 35; DB 16; Length 10;  
Best Local Similarity 66.7%; Pred. No. 2.6e+02;  
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 CANVWV 6  
| :|||  
Db 1 CRSWVW 6

Search completed: February 1, 2005, 08:27:14  
Job time : 61.1429 secs

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Result No.	Score	Query		DB	ID	Description
		Match	Length			
1	98	82.4	20	3	US-08-467-023-55	Sequence 55, App1
2	71	59.7	15	4	US-09-142-524D-73	Sequence 73, App1
3	67	56.3	15	4	US-09-142-524D-74	Sequence 74, App1
4	57	47.9	15	4	US-09-142-524D-72	Sequence 72, App1
5	47.9	47.9	20	3	US-08-467-023-54	Sequence 54, App1
6	41	34.5	15	4	US-09-142-524D-75	Sequence 75, App1
7	41	34.5	20	3	US-08-467-023-56	Sequence 56, App1
8	37	31.1	20	2	US-08-934-915-107	Sequence 107, App
9	34	28.6	10	1	US-08-433-318A-138	Sequence 138, App
10	34	28.6	10	1	US-08-433-318A-146	Sequence 146, App
11	34	28.6	10	2	US-08-922-048-138	Sequence 138, App
12	34	28.6	10	2	US-08-922-048-146	Sequence 146, App
13	34	28.6	10	4	US-09-111-681C-154	Sequence 154, App
14	34	28.6	10	4	US-09-111-681C-162	Sequence 162, App
15	34	28.6	10	5	PT-US96-06270-138	Sequence 138, App
16	34	28.6	10	5	PT-US96-06270-146	Sequence 146, App
17	34	28.6	11	1	US-08-433-318A-122	Sequence 122, App
18	34	28.6	11	1	US-08-433-318A-130	Sequence 130, App
19	34	28.6	11	2	US-08-922-048-130	Sequence 122, App
20	34	28.6	11	2	US-08-922-048-130	Sequence 130, App
21	34	28.6	11	4	US-09-111-681C-138	Sequence 138, App
22	34	28.6	11	4	US-09-111-681C-146	Sequence 146, App
23	34	28.6	11	5	PT-US96-06270-122	Sequence 122, App
24	34	28.6	11	5	PT-US96-06270-130	Sequence 130, App
25	34	28.6	14	1	US-08-433-318A-106	Sequence 106, App
26	34	28.6	14	1	US-08-433-318A-114	Sequence 114, App
27	34	28.6	14	1	US-08-433-318A-169	Sequence 169, App

US-08-467-023-55

Query Match 82.4%; Score 98; DB 3; Length 20;  
Best Local Similarity 80.0%; Pred. No. 2.9e-08;  
Matches 16; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 CANVWVRSTQDSFNNGAYFV 20  
|:|||||:|||||  
Db 1 CSNWWVQSTQDFYNGAYFV 20

RESULT 2

US-09-142-524D-73  
; Sequence 73, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 73  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC\_FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 59  
US-09-142-524D-73

Query Match 59.7%; Score 71; DB 4; Length 15;  
Best Local Similarity 73.3%; Pred. No. 0.00024;  
Matches 11; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 CANVWVRSTQDSFNN 15  
|:|||||:|||||  
Db 1 CSNWWVQSTQDFYN 15

RESULT 3

US-09-142-524D-74  
; Sequence 74, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 74  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC\_FEATURE  
; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 60  
US-09-142-524D-74

Query Match 56.3%; Score 67; DB 4; Length 15;  
Best Local Similarity 80.0%; Pred. No. 0.00094;  
Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 6 WESTQDSFNNGAYFV 20  
|:|||||:|||||  
Db 1 WOSTQDFYNGAYFV 15

RESULT 4

US-09-142-524D-72  
; Sequence 72, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 72  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC\_FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 58  
US-09-142-524D-72

Query Match 47.9%; Score 57; DB 4; Length 15;  
Best Local Similarity 80.0%; Pred. No. 0.03;  
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 CANVWVRSTQ 10  
|:|||||:|||||  
Db 6 CSNWWVQSTQ 15

RESULT 5

US-08-467-023-54  
; Sequence 54, Application US/08467023  
; Patent No. 6090386  
; GENERAL INFORMATION:  
; APPLICANT: Griffeth, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bond, Julian F.;  
; APPLICANT: Garman, Richard D;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Siu-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Exley, Mark A.;  
; APPLICANT: Powers, Steven P.  
; TITLE OF INVENTION: Allergenic Proteins And Peptides From  
; TITLE OF INVENTION: Japanese Cedar Pollen  
; NUMBER OF SEQUENCES: 261  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
; STREET: 610 Lincoln St  
; CITY: Waltham  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02154



COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/467,023  
FILING DATE: June 6, 1995  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/350,225  
FILING DATE: December 6, 1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Jane E. Remillard  
REGISTRATION NUMBER: 38,872  
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 227-7400  
TELEFAX: (617) 227-5941  
INFORMATION FOR SEQ ID NO: 54:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 20 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FRAGMENT TYPE: internal  
US-08-467-023-54

Query Match 47.9%; Score 57; DB 3; Length 20;  
Best Local Similarity 80.0%; Pred. No. 0.041;  
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CANWVWSTQ 10  
|:||||:|  
Db 11 CSNWVWQSTQ 20

RESULT 6  
US-09-142-524D-75  
Sequence 75, Application US/09142524D  
Patent No. 6719976  
GENERAL INFORMATION:  
APPLICANT: Sone, Toshio  
APPLICANT: Kume, Akimori  
APPLICANT: Dairiki, Kazuo  
APPLICANT: Iwama, Akiko  
APPLICANT: Kino, Kousuke  
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
FILE REFERENCE: SPO-103  
CURRENT APPLICATION NUMBER: US/09/142,524D  
CURRENT FILING DATE: 1998-09-09  
PRIOR APPLICATION NUMBER: PCT/JP97/00740  
PRIOR FILING DATE: 1997-03-10  
NUMBER OF SEQ ID NOS: 174  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 75  
LENGTH: 15  
TYPE: PPT  
ORGANISM: Cryptomeria japonica  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (1)-(15)  
OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 61  
US-09-142-524D-75

Query Match 34.5%; Score 41; DB 4; Length 15;  
Best Local Similarity 80.0%; Pred. No. 7.4;  
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 11 DSNNGAYFV 20  
|:|||||  
Db 1 DVFYNGAYFV 10

RESULT 7  
US-08-467-023-56  
Sequence 56, Application US/08467023  
Patent No. 6090386  
GENERAL INFORMATION:  
APPLICANT: Griffith, Irwin J.;  
APPLICANT: Pollock, Joanne;  
APPLICANT: Bond, Julian F.;  
APPLICANT: Garman, Richard D;  
APPLICANT: Kuo, Mei-Chang;  
APPLICANT: Yeung, Siu-mei H.;  
APPLICANT: Brauer, Andrew;  
APPLICANT: Exley, Mark A.;  
APPLICANT: Powers, Steven P.  
TITLE OF INVENTION: Allergenic Proteins And Peptides From  
TITLE OF INVENTION: Japanese Cedar Pollen  
NUMBER OF SEQUENCES: 261  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
STREET: 610 Lincoln St  
CITY: Waltham  
STATE: MA  
COUNTRY: USA  
ZIP: 02154  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/467,023  
FILING DATE: June 6, 1995  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/350,225  
FILING DATE: December 6, 1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Jane E. Remillard  
REGISTRATION NUMBER: 38,872  
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 227-7400  
TELEFAX: (617) 227-5941  
INFORMATION FOR SEQ ID NO: 56:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 20 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FRAGMENT TYPE: internal  
US-08-467-023-56

Query Match 34.5%; Score 41; DB 3; Length 20;  
Best Local Similarity 80.0%; Pred. No. 10;  
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 11 DSNNGAYFV 20  
|:|||||  
Db 1 DVFYNGAYFV 10

RESULT 8  
US-08-934-915-107  
Sequence 107, Application US/08934915  
Patent No. 5932412  
GENERAL INFORMATION:  
APPLICANT: DILLNER, JOAKIM  
APPLICANT: DILLNER, LENA  
APPLICANT: CHENG, HWEE-MING  
TITLE OF INVENTION: SYNTHETIC PEPTIDES OF HUMAN  
TITLE OF INVENTION: PAPILLOMAVIRUS 1, 5, 6, 8,  
TITLE OF INVENTION: 11, 16, 18, 31, 33 AND 56,

;; TITLE OF INVENTION: USEFUL IN IMMUNOASSAY FOR  
;; TITLE OF INVENTION: DIAGNOSTIC PURPOSES  
;; NUMBER OF SEQUENCES: 193  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: MASON & ASSOCIATES, P.A.  
;; STREET: 17757 U.S. HWY. 19 NORTH, SUITE 500  
;; CITY: CLEARWATER  
;; STATE: FLORIDA  
;; COUNTRY: U.S.A.  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: Windows 3.0  
;; SOFTWARE: Microsoft Word 6.0  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/934,915  
;; FILING DATE: 22-SEP-1997  
;; CLASSIFICATION: 435  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 07/949,836  
;; FILING DATE:  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: LOUISE A. FOUTCH  
;; REGISTRATION NUMBER: 37,133  
;; REFERENCE/DOCKET NUMBER: 1946.6  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: 813-538-3800  
;; TELEFAX: 813-538-3820  
;; TELEX:  
;; INFORMATION FOR SEQ ID NO: 107:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 20 amino acids  
;; TYPE: amino acid  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: peptide  
;; US-08-934-915-107  
  
Query Match 31.1%; Score 37; DB 2; Length 20;  
Best Local Similarity 57.1%; Pred. No. 40;  
Matches 8; Conservative 1; Mismatches 3; Indels 3; Gaps 1;  
  
QY 4 WVRST-QDSFNN 15  
Db 1 WIQRTVLQHSFNN 14  
  
RESULT 9  
US-08-433-318A-138  
; Sequence 138, Application US/08433318A  
; Patent No. 5663144  
; GENERAL INFORMATION:  
; APPLICANT: Greene, Mark I.  
; TITLE OF INVENTION: COMPOUNDS THAT BIND TO p185 AND  
; TITLE OF INVENTION: METHODS OF USING THE SAME  
; NUMBER OF SEQUENCES: 184  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &  
; ADDRESSEE: No. 5663144ris  
; STREET: One Liberty Place - 46th Floor  
; CITY: Philadelphia  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19103  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: DISKETTE, 3.5 INCH  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: Windows  
; SOFTWARE: WORDPERFECT 6  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/433,318A  
; FILING DATE: 03-MAY-1995  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Mark Deluca  
; REGISTRATION NUMBER: 33,229  
; REFERENCE/DOCKET NUMBER: UPN-2106  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (215) 568-3100  
; TELEFAX: (215) 568-3439  
; INFORMATION FOR SEQ ID NO: 146:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 10  
; TYPE: amino acid  
; TOPOLOGY: unknown  
; MOLECULE TYPE: peptide  
; US-08-433-318A-146  
  
Query Match 28.6%; Score 34; DB 1; Length 10;  
Best Local Similarity 66.7%; Pred. No. 53;  
Matches 4; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

;; APPLICATION NUMBER:  
;; FILING DATE:  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Mark Deluca  
;; REGISTRATION NUMBER: 33,229  
;; REFERENCE/DOCKET NUMBER: UPN-2106  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (215) 568-3100  
;; TELEFAX: (215) 568-3439  
;; INFORMATION FOR SEQ ID NO: 138:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 10  
;; TYPE: amino acid  
;; TOPOLOGY: unknown  
;; MOLECULE TYPE: peptide  
;; US-08-433-318A-138  
  
Query Match 28.6%; Score 34; DB 1; Length 10;  
Best Local Similarity 66.7%; Pred. No. 53;  
Matches 4; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
  
QY 1 CANVWV 6  
Db 2 CENWEV 7  
  
RESULT 10  
US-08-433-318A-146  
; Sequence 146, Application US/08433318A  
; Patent No. 5663144  
; GENERAL INFORMATION:  
; APPLICANT: Greene, Mark I.  
; TITLE OF INVENTION: COMPOUNDS THAT BIND TO p185 AND  
; TITLE OF INVENTION: METHODS OF USING THE SAME  
; NUMBER OF SEQUENCES: 184  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &  
; ADDRESSEE: No. 5663144ris  
; STREET: One Liberty Place - 46th Floor  
; CITY: Philadelphia  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19103  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: DISKETTE, 3.5 INCH  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: Windows  
; SOFTWARE: WORDPERFECT 6  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/433,318A  
; FILING DATE: 03-MAY-1995  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Mark Deluca  
; REGISTRATION NUMBER: 33,229  
; REFERENCE/DOCKET NUMBER: UPN-2106  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (215) 568-3100  
; TELEFAX: (215) 568-3439  
; INFORMATION FOR SEQ ID NO: 146:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 10  
; TYPE: amino acid  
; TOPOLOGY: unknown  
; MOLECULE TYPE: peptide  
; US-08-433-318A-146  
  
Query Match 28.6%; Score 34; DB 1; Length 10;  
Best Local Similarity 66.7%; Pred. No. 53;  
Matches 4; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 CANVW 6  
Db 2 CENWE 7

## RESULT 11

US-08-922-048-138  
; Sequence 138, Application US/08922048  
; Patent No. 5919764

; GENERAL INFORMATION:  
; APPLICANT: Greene, Mark I.  
; TITLE OF INVENTION: COMPOUNDS THAT BIND TO p185 AND  
; TITLE OF INVENTION: METHODS OF USING THE SAME  
; NUMBER OF SEQUENCES: 184

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &  
; ADDRESSEE: No. 5919764ris

; STREET: One Liberty Place - 46th Floor

; CITY: Philadelphia

; STATE: PA

; COUNTRY: USA

; ZIP: 19103

; COMPUTER READABLE FORM:

; MEDIUM TYPE: DISKETTE, 3.5 INCH

; COMPUTER: IBM PC Compatible

; OPERATING SYSTEM: Windows

; SOFTWARE: WORDPERFECT 6

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/922,048

; FILING DATE:

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/433,318

; FILING DATE: 03-MAY-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Mark DeLuca

; REGISTRATION NUMBER: 33,229

; REFERENCE/DOCKET NUMBER: UPN-2106

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (215) 568-3100

; TELEFAX: (215) 568-3439

; INFORMATION FOR SEQ ID NO: 138:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 10

; TYPE: amino acid

; TOPOLOGY: unknown

; MOLECULE TYPE: peptide

US-08-922-048-138

Query Match 28.6%; Score 34; DB 2; Length 10;

Best Local Similarity 66.7%; Pred. No. 53;

Matches 4; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 CANVW 6  
Db 2 CENWE 7

## RESULT 12

US-08-922-048-146

; Sequence 146, Application US/08922048

; Patent No. 5919764

; GENERAL INFORMATION:

; APPLICANT: Greene, Mark I.

; TITLE OF INVENTION: COMPOUNDS THAT BIND TO p185 AND

; TITLE OF INVENTION: METHODS OF USING THE SAME

; NUMBER OF SEQUENCES: 184

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &

; ADDRESSEE: No. 5919764ris

; STREET: One Liberty Place - 46th Floor

; CITY: Philadelphia

; STATE: PA  
; COUNTRY: USA  
; ZIP: 19103  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: DISKETTE, 3.5 INCH  
; COMPUTER: IBM PC Compatible  
; OPERATING SYSTEM: Windows  
; SOFTWARE: WORDPERFECT 6  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/922,048  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/433,318  
; FILING DATE: 03-MAY-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Mark DeLuca  
; REGISTRATION NUMBER: 33,229  
; REFERENCE/DOCKET NUMBER: UPN-2106  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (215) 568-3100  
; TELEFAX: (215) 568-3439  
; INFORMATION FOR SEQ ID NO: 146:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 10  
; TYPE: amino acid  
; TOPOLOGY: unknown  
; MOLECULE TYPE: peptide  
US-08-922-048-146

Query Match 28.6%; Score 34; DB 2; Length 10;

Best Local Similarity 66.7%; Pred. No. 53;

Matches 4; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 CANVW 6

Db 2 CENWE 7

## RESULT 13

US-09-111-681C-154

; Sequence 154, Application US/09111681C

; Patent No. 6417168

; GENERAL INFORMATION:

; APPLICANT: Greene, Mark I.

; APPLICANT: O'Rourke, Donald M.

; APPLICANT: Murali, Ramachandran

; APPLICANT: Park, Byeong Woo

; TITLE OF INVENTION: Compositions And Methods Of Treating Tumors

; FILE REFERENCE: UPN3458

; CURRENT APPLICATION NUMBER: US/09/111,681C

; CURRENT FILING DATE: 1998-07-08

; PRIOR APPLICATION NUMBER: 60/076,788

; PRIOR FILING DATE: 1998-03-04

; NUMBER OF SEQ ID NOS: 200

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 154

; LENGTH: 10

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Synthetic Sequence

US-09-111-681C-154

Query Match 28.6%; Score 34; DB 4; Length 10;

Best Local Similarity 66.7%; Pred. No. 53;

Matches 4; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 CANVW 6

Db 2 CENWE 7

RESULT 14  
US-09-111-681C-162  
; Sequence 162, Application US/09111681C  
; Patent No. 6417168  
; GENERAL INFORMATION:  
; APPLICANT: Greene, Mark I.  
; APPLICANT: O'Rourke, Donald M.  
; APPLICANT: Murali, Ramachandran  
; APPLICANT: Park, Byeong Woo  
; TITLE OF INVENTION: Compositions And Methods Of Treating Tumors  
; FILE REFERENCE: UPN3458  
; CURRENT APPLICATION NUMBER: US/09/111,681C  
; CURRENT FILING DATE: 1998-07-08  
; PRIOR APPLICATION NUMBER: 60/076,788  
; PRIOR FILING DATE: 1998-03-04  
; NUMBER OF SEQ ID NOS: 200  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 162  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic Sequence  
US-09-111-681C-162

Query Match 28.6%; Score 34; DB 4; Length 10;  
Best Local Similarity 66.7%; Pred. No. 53;  
Matches 4; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CANVW 6  
| | | |  
Db 2 CENWE 7

RESULT 15  
PCT-US96-06270-138  
; Sequence 138, Application PC/TUS9606270  
; GENERAL INFORMATION:  
; APPLICANT: Greene, Mark I.  
; APPLICANT: Zhang, Xin  
; TITLE OF INVENTION: COMPOUNDS THAT BIND TO p185 AND  
; TITLE OF INVENTION: METHODS OF USING THE SAME  
; NUMBER OF SEQUENCES: 184  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & Norris  
; STREET: One Liberty Place - 46th Floor  
; CITY: Philadelphia  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19103  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: DISKETTE, 3.5 INCH  
; COMPUTER: IBM PC Compatible  
; OPERATING SYSTEM: PC-DOS  
; SOFTWARE: WORDPERFECT 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US96/06270  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/433,318  
; FILING DATE: 03-MAY-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Mark DeLuca  
; REGISTRATION NUMBER: 33,229  
; REFERENCE/DOCKET NUMBER: UPN-2748  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (215) 568-3100  
; TELEFAX: (215) 568-3439  
; INFORMATION FOR SEQ ID NO: 138:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 10  
; TYPE: amino acid

; TOPOLOGY: unknown  
; MOLECULE TYPE: peptide  
PCT-US96-06270-138

Query Match 28.6%; Score 34; DB 5; Length 10;  
Best Local Similarity 66.7%; Pred. No. 53;  
Matches 4; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CANVW 6  
| | | |  
Db 2 CENWE 7

Search completed: February 1, 2005, 07:52:26  
Job time : 19.4286 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: February 1, 2005, 07:47:50 ; Search time 61.1429 Seconds  
(without alignments)  
118.179 Million cell updates/sec

Title: US-09-202-464-33

Perfect score: 106

Sequence: 1 DSNNGAYPVSSGKNEGNI 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:\*  
1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*  
2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*  
5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*  
6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*  
7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*  
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9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep.\*  
10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep.\*  
11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*  
12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*  
13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep.\*  
14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*  
15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*  
16: /cgn2\_6/ptodata/1/pubpaa/US10D\_PUBCOMB.pep.\*  
17: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*  
18: /cgn2\_6/ptodata/1/pubpaa/US11\_NEW\_PUB.pep.\*  
19: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*  
20: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	63	59.4	15	14	US-10-354-240-76
2	60	56.6	15	14	US-10-354-240-75
3	51	48.1	20	14	US-10-354-240-12
4	41	38.7	15	14	US-10-354-240-74
5	37	34.9	8	9	US-09-962-445-15
6	36	34.0	15	14	US-10-354-240-77
7	36	34.0	20	14	US-10-216-484-41
8	36	34.0	20	14	US-10-384-933-41
9	33	31.1	19	14	US-10-082-014-147
10	33	31.1	19	14	US-10-372-076-177
11	33	31.1	19	16	US-10-677-074-177
12	32	30.2	20	10	US-09-991-433-39
13	32	30.2	20	10	US-09-880-748-3131

14	32	30.2	20	14	US-10-293-418-3131	Sequence 3131, Ap
15	31	29.2	18	9	US-09-864-761-37786	Sequence 37786, A
16	31	29.2	20	17	US-10-776-013-314	Sequence 314, App
17	30	28.3	9	16	US-10-657-022-138	Sequence 138, App
18	30	28.3	10	16	US-10-657-022-137	Sequence 137, App
19	30	28.3	13	16	US-10-468-496-937	Sequence 937, App
20	30	28.3	19	9	US-09-839-666-4	Sequence 4, Appli
21	30	28.3	19	14	US-10-234-579-4	Sequence 4, Appli
22	30	28.3	19	14	US-10-372-735-46	Sequence 46, Appl
23	30	28.3	20	14	US-10-225-567A-1734	Sequence 1734, Ap
24	29.5	27.8	15	14	US-10-235-483-12	Sequence 12, Appl
25	29	27.4	13	14	US-10-226-007-1016	Sequence 1016, Ap
26	29	27.4	13	14	US-10-153-244-70	Sequence 70, Appl
27	29	27.4	13	14	US-10-153-244-133	Sequence 133, App
28	29	27.4	13	14	US-10-153-244-183	Sequence 183, App
29	29	27.4	13	14	US-10-153-244-233	Sequence 233, App
30	29	27.4	14	14	US-10-226-007-1017	Sequence 1017, Ap
31	29	27.4	14	14	US-10-226-007-1030	Sequence 1030, Ap
32	29	27.4	15	14	US-10-186-867-32	Sequence 32, Appl
33	29	27.4	15	14	US-10-226-007-1018	Sequence 1018, Ap
34	29	27.4	15	14	US-10-226-007-1031	Sequence 1031, Ap
35	29	27.4	15	14	US-10-226-007-1044	Sequence 1044, Ap
36	29	27.4	16	14	US-10-226-007-1019	Sequence 1019, Ap
37	29	27.4	16	14	US-10-226-007-1032	Sequence 1032, Ap
38	29	27.4	16	14	US-10-226-007-1045	Sequence 1045, Ap
39	29	27.4	16	14	US-10-226-007-1058	Sequence 1058, Ap
40	29	27.4	17	9	US-09-873-409-19	Sequence 19, Appl
41	29	27.4	17	14	US-10-226-007-1020	Sequence 1020, Ap
42	29	27.4	17	14	US-10-226-007-1033	Sequence 1033, Ap
43	29	27.4	17	14	US-10-226-007-1046	Sequence 1046, Ap
44	29	27.4	17	14	US-10-226-007-1059	Sequence 1059, Ap
45	29	27.4	17	14	US-10-226-007-1072	Sequence 1072, Ap

#### ALIGNMENTS

RESULT 1  
US-10-354-240-76  
; Sequence 76, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; PRIOR FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 76  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 62  
US-10-354-240-76

Query Match 59.4%; Score 63; DB 14; Length 15;  
Best Local Similarity 86.7%; Pred. No. 0.011;  
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Oy 6 GAYFVSSGKNEGNI 20  
|||||||

Db 1 GAYFVSSGKYEGGNI 15

## RESULT 2

US-10-354-240-75  
; Sequence 75, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-10301  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 75  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 61  
US-10-354-240-75

Query Match 56.6%; Score 60; DB 14; Length 15;  
Best Local Similarity 85.7%; Pred. No. 0.031;  
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 DSFNNGAYFVSSGK 14

Db 1 DVFNGAYFVSSGK 14

## RESULT 3

US-10-354-240-12  
; Sequence 12, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-10301  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 12  
; LENGTH: 20  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
US-10-354-240-12

Query Match 48.1%; Score 51; DB 14; Length 20;  
Best Local Similarity 100.0%; Pred. No. 0.96;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 SSGKNEGNI 20

Db 1 SSGKNEGNI 10

## RESULT 4

US-10-354-240-74  
; Sequence 74, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-10301  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 74  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 60  
US-10-354-240-74

Query Match 38.7%; Score 41; DB 14; Length 15;  
Best Local Similarity 80.0%; Pred. No. 23;  
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 DSFNNGAYFV 10

Db 6 DVFNGAYFV 15

## RESULT 5

US-09-962-445-15  
; Sequence 15, Application US/09962445  
; Publication No. US20020192705A1  
; GENERAL INFORMATION:  
; APPLICANT: MATSUSHITA, Sho et al.  
; TITLE OF INVENTION: Clonal Expansion of T Cells of Unknown Specificity and Identification of T Cell Antigen Recognized by the Clonally Expanded T Cells  
; FILE REFERENCE: 0020-4906P  
; CURRENT APPLICATION NUMBER: US/09/962,445  
; CURRENT FILING DATE: 2001-12-28  
; PRIOR APPLICATION NUMBER: JP 2001-79621  
; PRIOR FILING DATE: 2001-03-21  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 15  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Japanese cedar pollen  
US-09-962-445-15

Query Match 34.9%; Score 37; DB 9; Length 8;  
Best Local Similarity 87.5%; Pred. No. 1.5e+06;  
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 FNGAYFV 10

Db 1 FNGAYFV 8

## RESULT 6

US-10-354-240-77  
; Sequence 77, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohske  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103DI  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 77  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 63  
US-10-354-240-77

Query Match 34.0%; Score 36; DB 14; Length 15;  
Best Local Similarity 80.0%; Pred. No. 1.3e+02;  
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 11 SSGKNEGTNI 20  
||| ||| ||  
Db 1 SSGKYEGGNI 10

## RESULT 7

US-10-216-484-41  
; Sequence 41, Application US/10216484  
; Publication No. US20030103976A1  
; GENERAL INFORMATION:  
; APPLICANT: Serizawa, No. US20030103976Alufusa  
; APPLICANT: Haruyama, Hideyuki  
; APPLICANT: Nakahara, Kaori  
; APPLICANT: Takahashi, Tohru  
; TITLE OF INVENTION: Anti-Fas Antibodies  
; FILE REFERENCE: 980126CIP/HG  
; CURRENT APPLICATION NUMBER: US/10/216,484  
; CURRENT FILING DATE: 2002-08-09  
; PRIOR APPLICATION NUMBER: US/09/499,662  
; PRIOR FILING DATE: 2000-02-09  
; PRIOR APPLICATION NUMBER: US 09/053,583  
; PRIOR FILING DATE: 1998-04-01  
; NUMBER OF SEQ ID NOS: 165  
; SEQ ID NO 41  
; LENGTH: 20  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-216-484-41

Query Match 34.0%; Score 36; DB 14; Length 20;  
Best Local Similarity 80.0%; Pred. No. 1.8e+02;  
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 11 SSGKNEGTNI 20  
||| ||| ||  
Db 1 SSGKYEGGNI 10

## RESULT 8

US-10-384-933-41  
; Sequence 41, Application US/10384933  
; Publication No. US20030170817A1  
; GENERAL INFORMATION:  
; APPLICANT: Serizawa, No. US20030170817Alufusa  
; APPLICANT: Haruyama, Hideyuki  
; APPLICANT: Nakahara, Kaori  
; APPLICANT: Tamaki, Ikuko  
; APPLICANT: Takahashi, Tohru  
; TITLE OF INVENTION: Anti-Fas Antibodies  
; FILE REFERENCE: 980126CIP/HG  
; CURRENT APPLICATION NUMBER: US/10/384,933  
; CURRENT FILING DATE: 2003-02-05  
; PRIOR APPLICATION NUMBER: US/09/499,662  
; PRIOR FILING DATE: 2000-02-09  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583  
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01  
; NUMBER OF SEQ ID NOS: 165  
; SEQ ID NO 41  
; LENGTH: 20  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-384-933-41

Query Match 34.0%; Score 36; DB 14; Length 20;  
Best Local Similarity 80.0%; Pred. No. 1.8e+02;  
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 11 SSGKNEGTNI 20  
||| ||| ||  
Db 1 SSGKYEGGNI 10

## RESULT 9

US-10-082-014-147  
; Sequence 147, Application US/10082014  
; Publication No. US20030185858A1  
; GENERAL INFORMATION:  
; APPLICANT: Birkett, Ashley J.  
; TITLE OF INVENTION: IMMUNOGENIC HBC CHIMER PARTICLES STABILIZED WITH AN N-TERMINAL C  
; FILE REFERENCE: ICC-130.0 4564/85124  
; CURRENT APPLICATION NUMBER: US/10/082,014  
; CURRENT FILING DATE: 2002-02-22  
; PRIOR APPLICATION NUMBER: 09/930,915  
; PRIOR FILING DATE: 2001-08-15  
; NUMBER OF SEQ ID NOS: 290  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 147  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Neisseria meningitidis  
US-10-082-014-147

Query Match 31.1%; Score 33; DB 14; Length 19;  
Best Local Similarity 41.7%; Pred. No. 4.8e+02;  
Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 2 SFNNGAYFVSSG 13  
: : : : :  
Db 1 NYKNGGFVQYG 12

## RESULT 10

US-10-372-076-177  
; Sequence 177, Application US/10372076  
; Publication No. US20030198645A1  
; GENERAL INFORMATION:  
; APPLICANT: Page, Mark  
; APPLICANT: Friede, Martin  
; TITLE OF INVENTION: STABILIZED HBC CHIMER PARTICLES AS THERAPEUTIC VACCINE FOR  
; TITLE OF INVENTION: CHRONIC HEPATITIS  
; FILE REFERENCE: 4564/87179

; CURRENT APPLICATION NUMBER: US/10/372,076  
; CURRENT FILING DATE: 2003-02-21  
; PRIOR APPLICATION NUMBER: 10/080,299  
; PRIOR FILING DATE: 2002-02-21  
; PRIOR APPLICATION NUMBER: 10/082,014  
; PRIOR FILING DATE: 2002-02-22  
; NUMBER OF SEQ ID NOS: 308  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 177  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Neisseria meningitidis  
US-10-372-076-177

Query Match 31.1%; Score 33; DB 14; Length 19;  
Best Local Similarity 41.7%; Pred. No. 4.8e+02;  
Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 2 SFNNGAYFVSSG 13  
: : : : :  
Db 1 NYKNGFFVQYG 12

RESULT 11  
US-10-677-074-177  
; Sequence 177, Application US/10677074  
; Publication No. US20040156863A1  
; GENERAL INFORMATION:  
; APPLICANT: Page, Mark  
; APPLICANT: Friede, Martin  
; APPLICANT: Schmidt, Annette Elisabeth  
; APPLICANT: Stobert, Detlef  
; TITLE OF INVENTION: STABILIZED HBC CHIMER PARTICLES AS THERAPEUTIC VACCINE FOR  
; TITLE OF INVENTION: CHRONIC HEPATITIS  
; FILE REFERENCE: 4564/87179  
; CURRENT APPLICATION NUMBER: US/10/677,074  
; CURRENT FILING DATE: 2003-10-01  
; PRIOR APPLICATION NUMBER: 10/372,076  
; PRIOR FILING DATE: 2002-02-21  
; PRIOR APPLICATION NUMBER: 10/080,299  
; PRIOR FILING DATE: 2002-02-21  
; PRIOR APPLICATION NUMBER: 10/082,014  
; PRIOR FILING DATE: 2002-02-22  
; NUMBER OF SEQ ID NOS: 308  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 177  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Neisseria meningitidis  
US-10-677-074-177

Query Match 31.1%; Score 33; DB 16; Length 19;  
Best Local Similarity 41.7%; Pred. No. 4.8e+02;  
Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 2 SFNNGAYFVSSG 13  
: : : : :  
Db 1 NYKNGFFVQYG 12

RESULT 12  
US-09-991-433-39  
; Sequence 39, Application US/09991433  
; Publication No. US20030017596A1  
; GENERAL INFORMATION:  
; APPLICANT: Brolden, Kristina  
; APPLICANT: Westgren, Magnus  
; TITLE OF INVENTION: USE OF PARVOVIRUS CAPSID PARTICLES IN  
; TITLE OF INVENTION: THE INHIBITION OF CELL PROLIFERATION AND MIGRATION  
; FILE REFERENCE: TRIPEP.019CP1  
; CURRENT APPLICATION NUMBER: US/09/991,433  
; CURRENT FILING DATE: 2001-11-16  
; PRIOR APPLICATION NUMBER: US 09/447,693

; PRIOR FILING DATE: 1999-11-23  
; PRIOR APPLICATION NUMBER: SE 9804022-3  
; PRIOR FILING DATE: 1998-11-24  
; NUMBER OF SEQ ID NOS: 63  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 39  
; LENGTH: 20  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Peptide fragments derived from parvovirus capsid  
US-09-991-433-39

Query Match 30.2%; Score 32; DB 10; Length 20;  
Best Local Similarity 44.4%; Pred. No. 7.2e+02;  
Matches 8; Conservative 2; Mismatches 8; Indels 0; Gaps 0;

QY 1 DSFNNGAYFVSSGKNEG 18  
: : : : :  
Db 3 DSSNTGAGKALTGLSTGT 20

RESULT 13  
US-09-880-748-3131  
; Sequence 3131, Application US/09880748  
; Publication No. US2003005937A1  
; GENERAL INFORMATION:  
; APPLICANT: Ruben et al.  
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind BlyS  
; FILE REFERENCE: PF523  
; CURRENT APPLICATION NUMBER: US/09/880,748  
; CURRENT FILING DATE: 2001-06-15  
; PRIOR APPLICATION NUMBER: 60/212,210  
; PRIOR FILING DATE: 2000-06-15  
; PRIOR APPLICATION NUMBER: 60/240,816  
; PRIOR FILING DATE: 2000-10-17  
; PRIOR APPLICATION NUMBER: 60/276,248  
; PRIOR FILING DATE: 2001-03-16  
; PRIOR APPLICATION NUMBER: 60/277,379  
; PRIOR FILING DATE: 2001-03-21  
; PRIOR APPLICATION NUMBER: 60/293,499  
; PRIOR FILING DATE: 2001-05-25  
; NUMBER OF SEQ ID NOS: 3239  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 3131  
; LENGTH: 20  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-880-748-3131

Query Match 30.2%; Score 32; DB 10; Length 20;  
Best Local Similarity 53.8%; Pred. No. 7.2e+02;  
Matches 7; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 1 DSFNNGAYFVSSG 13  
: : : : :  
Db 5 DREWSGGYFHYSG 17

RESULT 14  
US-10-293-418-3131  
; Sequence 3131, Application US/10293418  
; Publication No. US20030223996A1  
; GENERAL INFORMATION:  
; APPLICANT: Ruben et al.  
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind BlyS  
; FILE REFERENCE: PF523P2  
; CURRENT APPLICATION NUMBER: US/10/293,418  
; CURRENT FILING DATE: 2002-11-27  
; PRIOR APPLICATION NUMBER: 60/331,469  
; PRIOR FILING DATE: 2001-11-16  
; PRIOR APPLICATION NUMBER: 60/340,817  
; PRIOR FILING DATE: 2001-12-19



;; PRIOR APPLICATION NUMBER: 09/880,748  
;; PRIOR FILING DATE: 2001-06-15  
;; PRIOR APPLICATION NUMBER: 60/293,499  
;; PRIOR FILING DATE: 2001-05-25  
;; PRIOR APPLICATION NUMBER: 60/277,379  
;; PRIOR FILING DATE: 2001-03-21  
;; PRIOR APPLICATION NUMBER: 60/276,248  
;; PRIOR FILING DATE: 2001-03-16  
;; PRIOR APPLICATION NUMBER: 60/240,816  
;; PRIOR FILING DATE: 2000-10-17  
;; PRIOR APPLICATION NUMBER: 60/212,210  
;; PRIOR FILING DATE: 2000-06-16  
;; NUMBER OF SEQ ID NOS: 3247  
;; SEQ ID NO 3131  
;; LENGTH: 20  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-10-293-418-3131

Query Match 30.2%; Score 32; DB 14; Length 20;  
Best Local Similarity 53.8%; Pred. No. 7.2e+02;  
Matches 7; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Qy 1 DSFNGAYFVSSG 13  
Db 5 DREWSGGYFHYSG 17

## RESULT 15

US-09-864-761-37786  
;; Sequence 37786; Application US/09864761  
;; Patent No. US20020048763A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Penn, Sharron G.  
;; APPLICANT: Rank, David R.  
;; APPLICANT: Hanzel, David K.  
;; APPLICANT: Chen, Wensheng  
;; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
;; FILE REFERENCE: Aomic-a-X-1  
;; CURRENT APPLICATION NUMBER: US/09/864,761  
;; CURRENT FILING DATE: 2001-05-23  
;; PRIOR APPLICATION NUMBER: US 60/180,312  
;; PRIOR FILING DATE: 2000-02-04  
;; PRIOR APPLICATION NUMBER: US 60/207,456  
;; PRIOR FILING DATE: 2000-05-26  
;; PRIOR APPLICATION NUMBER: US 09/632,366  
;; PRIOR FILING DATE: 2000-08-03  
;; PRIOR APPLICATION NUMBER: GB 24263.6  
;; PRIOR FILING DATE: 2000-10-04  
;; PRIOR APPLICATION NUMBER: US 60/236,359  
;; PRIOR FILING DATE: 2000-09-27  
;; PRIOR APPLICATION NUMBER: PCT/US01/00666  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00667  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00664  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00669  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00665  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00668  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00663  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00662  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00661  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00670  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: US 60/234,687

;; PRIOR FILING DATE: 2000-09-21  
;; PRIOR APPLICATION NUMBER: US 09/608,408  
;; PRIOR FILING DATE: 2000-06-30  
;; PRIOR APPLICATION NUMBER: US 09/774,203  
;; PRIOR FILING DATE: 2001-01-29  
;; NUMBER OF SEQ ID NOS: 49117  
;; SOFTWARE: Annonax Sequence Listing Engine vers. 1.1  
;; SEQ ID NO 37786  
;; LENGTH: 18  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
;; FEATURE:  
;; OTHER INFORMATION: MAP TO AC012513.2  
;; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.7  
;; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 2.5  
;; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.7  
;; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.6  
;; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.5  
;; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.7  
;; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2.5  
;; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 2.2  
;; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2.5  
;; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.9  
;; OTHER INFORMATION: EST\_HUMAN HIT: AW954545.1, EVALUUE 3.00e-03  
US-09-864-761-37786

Query Match 29.2%; Score 31; DB 9; Length 18;  
Best Local Similarity 53.8%; Pred. No. 9.1e+02;  
Matches 7; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 2 SFNNGAYFVSSGK 14  
Db 5 SLNGRLSTSSGK 17

Search completed: February 1, 2005, 08:27:15  
Job time : 62.1429 secs

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US-08-467-023-56

Query Match 72.6%; Score 77; DB 3; Length 20;  
Best Local Similarity 80.0%; Pred. No. 3.4e-05;  
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 DSNFNGAYFVSSGKNEGTNI 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 1 DVFYNGAYFVSSGKYEAGNI 20

## RESULT 2

US-09-142-524D-76  
; Sequence 76, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kinno, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 76  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 62  
US-09-142-524D-76

Query Match 59.4%; Score 63; DB 4; Length 15;  
Best Local Similarity 86.7%; Pred. No. 0.0031;  
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 6 GAYFVSSGKNEGTNI 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 1 GAYFVSSGKYEAGNI 15

## RESULT 3

US-09-142-524D-75  
; Sequence 75, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kinno, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 75  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 61  
US-09-142-524D-75

Query Match 56.6%; Score 60; DB 4; Length 15;  
Best Local Similarity 85.7%; Pred. No. 0.0089;  
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 DSNFNGAYFVSSGK 14  
| | | | | | | | | | | | | | | | | | | | | |  
Db 1 DVFYNGAYFVSSGK 14

## RESULT 4

US-09-142-524D-12  
; Sequence 12, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kinno, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 12  
; LENGTH: 20  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
US-09-142-524D-12

Query Match 48.1%; Score 51; DB 4; Length 20;  
Best Local Similarity 100.0%; Pred. No. 0.28;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 SSGKNEGTNI 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 1 SSGKNEGTNI 10

## RESULT 5

US-09-142-524D-74  
; Sequence 74, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kinno, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 74  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 60  
US-09-142-524D-74

Query Match 38.7%; Score 41; DB 4; Length 15;  
Best Local Similarity 80.0%; Pred. No. 6.5;  
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 DSNFNGAYFV 10  
Db 6 DVFYNGAYFV 15

RESULT 6  
US-08-467-023-55  
; Sequence 55, Application US/08467023  
; Patent No. 6090386  
; GENERAL INFORMATION:  
; APPLICANT: Griffith, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bond, Julian F.;  
; APPLICANT: Garman, Richard D;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Siu-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Exley, Mark A.;  
; APPLICANT: Powers, Steven P.  
; TITLE OF INVENTION: Allergenic Proteins And Peptides From  
; TITLE OF INVENTION: Japanese Cedar Pollen  
; NUMBER OF SEQUENCES: 261  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
; STREET: 610 Lincoln St  
; CITY: Waltham  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02154  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/467,023  
; FILING DATE: June 6, 1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/350,225  
; FILING DATE: December 6, 1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jane E. Renillard  
; REGISTRATION NUMBER: 38,872  
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941  
; INFORMATION FOR SEQ ID NO: 55:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal  
US-08-467-023-55

Query Match 38.7%; Score 41; DB 3; Length 20;  
Best Local Similarity 80.0%; Pred. No. 8.9;  
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 DSNFNGAYFV 10  
Db 11 DVFYNGAYFV 20

RESULT 7  
US-09-142-524D-77  
; Sequence 77, Application US/09142524D

; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 77  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)-(15)  
; OTHER INFORMATION: Ceryl peptide, Figure 1, Row 63  
US-09-142-524D-77

Query Match 34.0%; Score 36; DB 4; Length 15;  
Best Local Similarity 80.0%; Pred. No. 37;  
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 11 SSGKNEGTVI 20  
Db 1 SSGKYEGGNI 10

RESULT 8  
US-08-290-448A-54  
; Sequence 54, Application US/08290448A  
; Patent No. 5676954  
; GENERAL INFORMATION:  
; APPLICANT: Rogers, Bruce  
; APPLICANT: Klapper, David G.  
; APPLICANT: Rafnar, Thorunn  
; APPLICANT: Kuo, Mei-chang  
; TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses  
; NUMBER OF SEQUENCES: 93  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: LAHIVE & COCKFIELD  
; STREET: 60 State Street, suite 510  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02109-1875  
; COMPUTER READABLE FORM: disk  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/290,448A  
; FILING DATE: August 15, 1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/529,951  
; FILING DATE: May 29, 1990  
; APPLICATION NUMBER: US 07/325,365  
; FILING DATE: March 17, 1989  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Amy E. Mandragouras  
; REGISTRATION NUMBER: 36,207  
; REFERENCE/DOCKET NUMBER: IMI-018CN  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941  
; INFORMATION FOR SEQ ID NO: 54:

;; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal  
US-08-290-448A-54

Query Match 34.0%; Score 36; DB 1; Length 20;  
Best Local Similarity 77.8%; Pred. No. 50;  
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 5 NGAYFVSSG 13  
||| ||:|  
Db 3 NGAIFVASG 11

RESULT 9  
US-08-290-448A-54  
; Sequence 54, Application US/08290448A  
; Patent No. 5698204  
; GENERAL INFORMATION:  
; APPLICANT: Rogers, Bruce  
; APPLICANT: Klapper, David G.  
; APPLICANT: Rafnar, Thorunn  
; APPLICANT: Kuo, Mei-chang  
; TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses  
; NUMBER OF SEQUENCES: 93  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: LAHIVE & COCKFIELD  
; STREET: 60 State Street, suite 510  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02109-1875  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/290,448A  
; FILING DATE: August 15, 1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/529,951  
; FILING DATE: May 29, 1990  
; APPLICATION NUMBER: US 07/325,365  
; FILING DATE: March 17, 1989  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Amy E. Mandragouras  
; REGISTRATION NUMBER: 36,207  
; REFERENCE/DOCKET NUMBER: IMI-018CN  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617)227-7400  
; TELEFAX: (617)227-5941  
; INFORMATION FOR SEQ ID NO: 54:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal  
US-08-290-448A-54

Query Match 34.0%; Score 36; DB 1; Length 20;  
Best Local Similarity 77.8%; Pred. No. 50;  
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 5 NGAYFVSSG 13  
||| ||:|  
Db 3 NGAIFVASG 11

RESULT 10  
US-08-175-069A-54  
; Sequence 54, Application US/08175069A  
; Patent No. 5776761  
; GENERAL INFORMATION:  
; APPLICANT: Rogers, Bruce  
; APPLICANT: Klapper, David G.  
; APPLICANT: Rafnar, Thorunn  
; APPLICANT: Kuo, Mei-chang  
; TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses  
; NUMBER OF SEQUENCES: 93  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: LAHIVE & COCKFIELD, LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02109-1875  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/175,069A  
; FILING DATE: December 29, 1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/529,951  
; FILING DATE: May 29, 1990  
; APPLICATION NUMBER: US 07/325,365  
; FILING DATE: March 17, 1989  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Amy E. Mandragouras  
; REGISTRATION NUMBER: 36,207  
; REFERENCE/DOCKET NUMBER: IMI-018DV  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617)227-7400  
; TELEFAX: (617)227-5941  
; INFORMATION FOR SEQ ID NO: 54:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal  
US-08-175-069A-54

Query Match 34.0%; Score 36; DB 1; Length 20;  
Best Local Similarity 77.8%; Pred. No. 50;  
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 5 NGAYFVSSG 13  
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Db 3 NGAIFVASG 11

RESULT 11  
US-08-467-023-57  
; Sequence 57, Application US/08467023  
; Patent No. 6090386  
; GENERAL INFORMATION:  
; APPLICANT: Griffith, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bond, Julian F.;  
; APPLICANT: Garman, Richard D;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Siu-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Exley, Mark A.;  
; APPLICANT: Powers, Steven P.  
; TITLE OF INVENTION: Allergenic Proteins And Peptides From  
; NUMBER OF SEQUENCES: 261



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; SEQUENCE CHARACTERISTICS:
;   LENGTH: 20 amino acids
;   TYPE: amino acid
;   TOPOLOGY: linear
;   MOLECULE TYPE: peptide
;   FRAGMENT TYPE: internal
US-08-464-000-54

Query Match      34.0%; Score 36; DB 3; Length 20;
Best Local Similarity 77.8%; Pred. No. 50;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      5 NGAYFVSSG 13
Db      3 NGAIFVASG 11

RESULT 14
US-09-239-043D-2100
; Sequence 2100, Application US/092339043D
; Patent No. 6689363
; GENERAL INFORMATION:
; APPLICANT: Sette, Alessandro
; APPLICANT: Sidney, John
; APPLICANT: Southwood, Scott
; APPLICANT: Vitiello, Maria A.
; APPLICANT: Livingston, Brian D.
; APPLICANT: Celis, Esteban
; APPLICANT: Kubo, Ralph T.
; APPLICANT: Grey, Howard M.
; APPLICANT: Chesnut, Robert
; APPLICANT: Epimmune Inc.
; TITLE OF INVENTION: Inducing Cellular Immune Responses to Hepatitis B Virus
; TITLE OF INVENTION: Using Peptide and Nucleic Acid Compositions
; FILE REFERENCE: 2060.006007
; CURRENT APPLICATION NUMBER: US/09/239,043D
; CURRENT FILING DATE: 1999-01-27
; PRIOR APPLICATION NUMBER: US 08/189,702
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: US 08/978,291
; PRIOR FILING DATE: 1997-11-25
; PRIOR APPLICATION NUMBER: US 08/820,360
; PRIOR FILING DATE: 1997-03-12
; PRIOR APPLICATION NUMBER: US 60/013,363
; PRIOR FILING DATE: 1996-03-13
; PRIOR APPLICATION NUMBER: US 08/461,603
; PRIOR FILING DATE: 1995-06-05
; PRIOR APPLICATION NUMBER: US 08/347,610
; PRIOR FILING DATE: 1994-12-01
; PRIOR APPLICATION NUMBER: US 08/344,824
; PRIOR FILING DATE: 1994-11-23
; PRIOR APPLICATION NUMBER: US 08/278,634
; PRIOR FILING DATE: 1994-07-21
; PRIOR APPLICATION NUMBER: US 08/205,713
; PRIOR FILING DATE: 1994-03-04
; PRIOR APPLICATION NUMBER: US 08/197,484
; PRIOR FILING DATE: 1994-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2579
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2100
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Orthohepadnaviridae hepatitis B virus
US-09-239-043D-2100

Query Match      33.0%; Score 35; DB 4; Length 15;
Best Local Similarity 46.2%; Pred. No. 52;
Matches 6; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY      6 GAYFVSSGKNEGT 18
Db      1 GLYFPAGGSSSGT 13

us-08-302-756E-5
; Sequence 5, Application US/08302756E
; Patent No. 6737521
; GENERAL INFORMATION:
; APPLICANT: FISCHETTI, Vincent A.
; APPLICANT: POZZI, Gianni
; APPLICANT: SCHNEEWIND, Olaf
; TITLE OF INVENTION: DELIVERY AND EXPRESSION OF A HYBRID SURFACE PROTEIN ON
; TITLE OF INVENTION: THE SURFACE OF GRAM POSITIVE BACTERIA
; FILE REFERENCE: 016921-076
; CURRENT APPLICATION NUMBER: US/08/302,756E
; CURRENT FILING DATE: 1995-03-07
; PRIOR APPLICATION NUMBER: US 07/522,440
; PRIOR FILING DATE: 1990-05-11
; PRIOR APPLICATION NUMBER: US 07/742,199
; PRIOR FILING DATE: 1991-08-05
; PRIOR APPLICATION NUMBER: US 07/814,823
; PRIOR FILING DATE: 1991-12-23
; PRIOR APPLICATION NUMBER: US 07/851,082
; PRIOR FILING DATE: 1992-03-13
; PRIOR APPLICATION NUMBER: PCT/US93/02355
; PRIOR FILING DATE: 1993-03-12
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Hepatitis, pre S(2)
US-08-302-756E-5

Query Match      33.0%; Score 35; DB 4; Length 19;
Best Local Similarity 46.2%; Pred. No. 67;
Matches 6; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY      6 GAYFVSSGKNEGT 18
Db      6 GLYFPAGGSSSGT 18

Search completed: February 1, 2005, 07:52:27
Job time : 19.4286 secs
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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: February 1, 2005, 07:47:50 ; Search time 61.1429 Seconds  
(without alignments)  
118.179 Million cell updates/sec

Title: US-09-202-464-34

Perfect score: 105

Sequence: 1 SSGNCGTNIYNNNEAPKVE 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

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- 2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*
- 6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*
- 7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*
- 8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*
- 9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*
- 13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/1/pubpaa/US10D\_PUBCOMB.pep.\*
- 17: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/1/pubpaa/US11\_NEW\_PUB.pep.\*
- 19: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*
- 20: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	105	100.0	20	14 US-10-354-240-12	Sequence 12, Appl
2	67	63.8	20	14 US-10-216-484-41	Sequence 41, Appl
3	67	63.8	20	14 US-10-384-933-41	Sequence 41, Appl
4	50	47.6	15	14 US-10-354-240-78	Sequence 78, Appl
5	48	45.7	15	14 US-10-354-240-77	Sequence 77, Appl
6	36	34.3	15	14 US-10-354-240-76	Sequence 76, Appl
7	34	32.4	8	16 US-10-719-642-43	Sequence 43, Appl
8	34	32.4	15	15 US-10-363-941-7	Sequence 7, Appl
9	33	31.4	16	10 US-09-998-279-18	Sequence 18, Appl
10	33	31.4	17	10 US-09-940-727B-68	Sequence 68, Appl
11	33	31.4	19	10 US-09-998-279-21	Sequence 21, Appl
12	32	30.5	17	16 US-10-327-598-480	Sequence 480, Appl
13	31.5	30.0	15	9 US-09-975-132A-4	Sequence 4, Appl

31	29.5	15	14	US-10-354-240-79	Sequence 79, Appl
31	29.5	17	13	US-10-146-305-13	Sequence 13, Appl
30	28.6	9	15	US-10-365-761B-20	Sequence 20, Appl
30	28.6	12	10	US-09-954-385-161	Sequence 161, Appl
29	27.6	13	14	US-10-226-007-1016	Sequence 1016, Appl
29	27.6	13	16	US-10-469-145-9	Sequence 9, Appl
20	27.6	14	14	US-10-226-007-1017	Sequence 1017, Appl
21	27.6	14	14	US-10-226-007-1030	Sequence 1030, Appl
22	27.6	15	14	US-10-226-007-1018	Sequence 1018, Appl
23	27.6	15	14	US-10-226-007-1031	Sequence 1031, Appl
24	27.6	15	14	US-10-226-007-1044	Sequence 1044, Appl
25	27.6	16	14	US-10-226-007-1019	Sequence 1019, Appl
26	27.6	16	14	US-10-226-007-1032	Sequence 1032, Appl
27	27.6	16	14	US-10-226-007-1045	Sequence 1045, Appl
28	27.6	16	14	US-10-226-007-1058	Sequence 1058, Appl
29	27.6	17	14	US-10-268-501-8	Sequence 8, Appl
30	27.6	17	14	US-10-226-007-1020	Sequence 1020, Appl
31	27.6	17	14	US-10-226-007-1033	Sequence 1033, Appl
32	27.6	17	14	US-10-226-007-1046	Sequence 1046, Appl
33	27.6	17	14	US-10-226-007-1059	Sequence 1059, Appl
34	27.6	17	14	US-10-226-007-1072	Sequence 1072, Appl
35	27.6	17	14	US-10-418-182-220	Sequence 220, Appl
36	27.6	17	15	US-10-608-626-8	Sequence 8, Appl
37	27.6	17	17	US-10-719-313-8	Sequence 8, Appl
38	27.6	17	17	US-10-823-253-2	Sequence 2, Appl
39	27.6	17	17	US-10-823-253-10	Sequence 10, Appl
40	27.6	18	14	US-10-226-007-1021	Sequence 1021, Appl
41	27.6	18	14	US-10-226-007-1034	Sequence 1034, Appl
42	27.6	18	14	US-10-226-007-1047	Sequence 1047, Appl
43	27.6	18	14	US-10-226-007-1060	Sequence 1060, Appl
44	27.6	18	14	US-10-226-007-1073	Sequence 1073, Appl
45	27.6	18	14	US-10-226-007-1085	Sequence 1085, Appl

#### ALIGNMENTS

##### RESULT 1

US-10-354-240-12  
; Sequence 12, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 12  
; LENGTH: 20  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
US-10-354-240-12

Query Match 100.0%; Score 105; DB 14; Length 20;  
Best Local Similarity 100.0%; Pred. No. 3.5e-09;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SSGNCGTNIYNNNEAPKVE 20  
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Db 1 SSGNCGTNIYNNNEAPKVE 20

##### RESULT 2

US-10-216-484-41  
; Sequence 41, Application US/10216484  
; Publication No. US20030103976A1  
; GENERAL INFORMATION:  
; APPLICANT: Serizawa, No. US20030103976Alufusa  
; APPLICANT: Haruyama, Hideyuki  
; APPLICANT: Nakahara, Kaori  
; APPLICANT: Tamaki, Ikuko  
; APPLICANT: Takahashi, Tohru  
; TITLE OF INVENTION: Anti-Fas Antibodies  
; FILE REFERENCE: 980126CIP/HG  
; CURRENT APPLICATION NUMBER: US/10/216,484  
; CURRENT FILING DATE: 2002-08-09  
; PRIOR APPLICATION NUMBER: US/09/499,662  
; PRIOR FILING DATE: 2000-02-09  
; PRIOR APPLICATION NUMBER: US 09/053,583  
; PRIOR FILING DATE: 1998-04-01  
; NUMBER OF SEQ ID NOS: 165  
; SEQ ID NO 41  
; LENGTH: 20  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-216-484-41

Query Match 63.8%; Score 67; DB 14; Length 20;  
Best Local Similarity 70.0%; Pred. No. 0.0024;  
Matches 14; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 SSGKNEGNIYNNNEAPKVE 20  
||||| ||||| ||||| |||||  
Db 1 SSGKEGGNIYTKKEAFNVE 20

RESULT 3  
US-10-384-933-41  
; Sequence 41, Application US/10384933  
; Publication No. US20030170817A1  
; GENERAL INFORMATION:  
; APPLICANT: Serizawa, No. US20030170817Alufusa  
; APPLICANT: Haruyama, Hideyuki  
; APPLICANT: Nakahara, Kaori  
; APPLICANT: Tamaki, Ikuko  
; APPLICANT: Takahashi, Tohru  
; TITLE OF INVENTION: Anti-Fas Antibodies  
; FILE REFERENCE: 980126CIP/HG  
; CURRENT APPLICATION NUMBER: US/10/384,933  
; CURRENT FILING DATE: 2003-02-05  
; PRIOR APPLICATION NUMBER: US/09/499,662  
; PRIOR FILING DATE: 2000-02-09  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583  
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01  
; NUMBER OF SEQ ID NOS: 165  
; SEQ ID NO 41  
; LENGTH: 20  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-384-933-41

Query Match 63.8%; Score 67; DB 14; Length 20;  
Best Local Similarity 70.0%; Pred. No. 0.0024;  
Matches 14; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 SSGKNEGNIYNNNEAPKVE 20  
||||| ||||| ||||| |||||  
Db 1 SSGKEGGNIYTKKEAFNVE 20

RESULT 4  
US-10-354-240-78  
; Sequence 78, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 78  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 64  
US-10-354-240-78

Query Match 47.6%; Score 50; DB 14; Length 15;  
Best Local Similarity 66.7%; Pred. No. 0.7;  
Matches 10; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 6 EGTNIYNNNEAPKVE 20  
||| ||| ||| ||| |||  
Db 1 EGGNIYTKKEAFNVE 15

RESULT 5  
US-10-354-240-77  
; Sequence 77, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 77  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 63  
US-10-354-240-77

Query Match 45.7%; Score 48; DB 14; Length 15;  
Best Local Similarity 66.7%; Pred. No. 1.4;  
Matches 10; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 SSGKNEGNIYNNNE 15  
||| ||| ||| ||| |||  
Db 1 SSGKEGGNIYTKKE 15

RESULT 6

US-10-354-240-76  
; Sequence 76, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103DI  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 76  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC\_FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 62  
US-10-354-240-76

Query Match 34.3%; Score 36; DB 14; Length 15;  
Best Local Similarity 80.0%; Pred. No. 99;  
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 SSGKNEGTNI 10  
Db 6 SSGKIEGNI 15  
|||||

RESULT 7  
US-10-719-642-43  
; Sequence 43, Application US/10719642  
; Publication No. US20040185040A1  
; GENERAL INFORMATION:  
; APPLICANT: Garcia-Martinez, Leon Fernando  
; APPLICANT: Chen, Yuching  
; APPLICANT: Andrews, Dawn  
; APPLICANT: Celltech R&D, Inc.  
; TITLE OF INVENTION: Modulating Immune Responses  
; FILE REFERENCE: 1427.008US1  
; CURRENT APPLICATION NUMBER: US/10/719,642  
; CURRENT FILING DATE: 2003-11-21  
; NUMBER OF SEQ ID NOS: 99  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 43  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Oryctolagus cuniculus  
US-10-719-642-43

Query Match 32.4%; Score 34; DB 16; Length 8;  
Best Local Similarity 83.3%; Pred. No. 1.5e+06;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 9 NIYNIN 14  
Db 2 NVYNNN 7  
|:|||||

RESULT 8  
US-10-363-941-7  
; Sequence 7, Application US/10363941  
; Publication No. US20040038248A1  
; GENERAL INFORMATION:

; APPLICANT: MAO, Yumin  
; APPLICANT: XIE, Yi  
; TITLE OF INVENTION: HUMAN HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN 32.01 AND POLYNUCL  
; FILE REFERENCE: 011241.52201US  
; CURRENT APPLICATION NUMBER: US/10/363,941  
; CURRENT FILING DATE: 2003-03-07  
; PRIOR APPLICATION NUMBER: PCT/CN01/01334  
; PRIOR FILING DATE: 2001-03-09  
; PRIOR APPLICATION NUMBER: 00125049.3  
; PRIOR FILING DATE: 2000-10-07  
; NUMBER OF SEQ ID NOS: 9  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 7  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: partial sequence of SEQ ID NO: 2  
US-10-363-941-7

Query Match 32.4%; Score 34; DB 15; Length 15;  
Best Local Similarity 35.7%; Pred. No. 2e+02;  
Matches 5; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 2 SGKNEGTNIYNNNE 15  
Db 2 TGKTQTSNVTKND 15  
:|:|:|:|:|:|

RESULT 9  
US-09-998-279-18  
; Sequence 18, Application US/09998279  
; Publication No. US20030083287A1  
; GENERAL INFORMATION:  
; APPLICANT: BURGESS, NICOLA A.  
; APPLICANT: GARCIA, MIGUEL M.  
; APPLICANT: KIRKE, DAVID F.  
; APPLICANT: MEYERS, NICHOLAS L.  
; APPLICANT: WILLIAMS, PAUL  
; TITLE OF INVENTION: Gins  
; FILE REFERENCE: GM50081  
; CURRENT APPLICATION NUMBER: US/09/998,279  
; CURRENT FILING DATE: 2001-11-30  
; PRIOR APPLICATION NUMBER: 60/250,288  
; PRIOR FILING DATE: 2000-11-30  
; NUMBER OF SEQ ID NOS: 26  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 18  
; LENGTH: 16  
; TYPE: PRT  
; ORGANISM: Propionomonas gingivalis  
US-09-998-279-18

Query Match 31.4%; Score 33; DB 10; Length 16;  
Best Local Similarity 40.0%; Pred. No. 3.1e+02;  
Matches 6; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

QY 4 KNEGTNIYNNNEAFK 18  
Db 1 RNQEIINVYNTAEYAK 15  
:|:|:|:|:|:|

RESULT 10  
US-09-940-727B-68  
; Sequence 68, Application US/09940727B  
; Publication No. US20030077793A1  
; GENERAL INFORMATION:  
; APPLICANT: Landry, Donald W  
; TITLE OF INVENTION: ANTI-COCAINE CATALYTIC ANTIBODY  
; FILE REFERENCE: 0575/51400-B  
; CURRENT APPLICATION NUMBER: US/09/940,727B  
; CURRENT FILING DATE: 2002-09-04

; PRIOR APPLICATION NUMBER: 09/214,095  
; PRIOR FILING DATE: 1998-12-28  
; PRIOR APPLICATION NUMBER: PCT/US97/10965  
; PRIOR FILING DATE: 1997-06-25  
; PRIOR APPLICATION NUMBER: 08/672,345  
; PRIOR FILING DATE: 1996-06-25  
; NUMBER OF SEQ ID NOS: 121  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 68  
; LENGTH: 17  
; TYPE: PRT  
; ORGANISM: mouse  
US-09-940-727B-68

Query Match 31.4%; Score 33; DB 10; Length 17;  
Best Local Similarity 43.8%; Pred. No. 3.3e+02;  
Matches 7; Conservative 1; Mismatches 8; Indels 0; Gaps 0;

QY 3 GKNEGTVNNNEAFK 18  
| | | : | | | |  
Db 1 GMPGNGVTVFNEKFK 16

RESULT 11  
US-09-998-279-21  
; Sequence 21, Application US/09998279  
; Publication No. US20030083287A1  
; GENERAL INFORMATION:  
; APPLICANT: BURGESS, NICOLA A.  
; APPLICANT: GARCIA, MIGUEL M.  
; APPLICANT: KIRKE, DAVID F.  
; APPLICANT: MEYERS, NICHOLAS L.  
; APPLICANT: WILLIAMS, PAUL  
; TITLE OF INVENTION: Gins  
; FILE REFERENCE: GMS0081  
; CURRENT APPLICATION NUMBER: US/09/998,279  
; CURRENT FILING DATE: 2001-11-30  
; PRIOR APPLICATION NUMBER: 60/250,288  
; PRIOR FILING DATE: 2000-11-30  
; NUMBER OF SEQ ID NOS: 26  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 21  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Porphyromonas gingivalis  
US-09-998-279-21

Query Match 31.4%; Score 33; DB 10; Length 19;  
Best Local Similarity 40.0%; Pred. No. 3.7e+02;  
Matches 6; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

QY 4 KNEGTVNNNEAFK 18  
: | : | | | |  
Db 4 RNQEIINVYNTAEYAK 18

RESULT 12  
US-10-327-598-480  
; Sequence 480, Application US/10327598  
; Publication No. US20040181039A1  
; GENERAL INFORMATION:  
; APPLICANT: Krah, Eugene  
; APPLICANT: Guo, Honliang  
; APPLICANT: Aiyappa, Ashok  
; APPLICANT: Lawton, Robert  
; TITLE OF INVENTION: Canine Immunoglobulin Variable Domains, Caninized Antibodies, and  
; TITLE OF INVENTION: for Making and Using Them  
; FILE REFERENCE: 01-799-A  
; CURRENT APPLICATION NUMBER: US/10/327,598  
; CURRENT FILING DATE: 2002-12-20  
; PRIOR APPLICATION NUMBER: US 60/344,874  
; PRIOR FILING DATE: 2001-12-21  
; NUMBER OF SEQ ID NOS: 1139

; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 480  
; LENGTH: 17  
; TYPE: PRT  
; ORGANISM: canis familiaris;  
US-10-327-598-480

Query Match 30.5%; Score 32; DB 16; Length 17;  
Best Local Similarity 62.5%; Pred. No. 4.7e+02;  
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 4 KNEGTVNIY 11  
: | | | | |  
Db 3 RGDGTNIY 10

RESULT 13  
US-09-975-132A-4  
; Sequence 4, Application US/09975132A  
; Publication No. US20020182672A1  
; GENERAL INFORMATION:  
; APPLICANT: Kolkman, Marc  
; TITLE OF INVENTION: Enhanced Secretion of a Polypeptide by a  
; TITLE OF INVENTION: Microorganism  
; FILE REFERENCE: GC636-2  
; CURRENT APPLICATION NUMBER: US/09/975,132A  
; CURRENT FILING DATE: 2001-10-09  
; PRIOR APPLICATION NUMBER: US 60/239,531  
; PRIOR FILING DATE: 2000-10-10  
; NUMBER OF SEQ ID NOS: 30  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 4  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: synthetic peptide tag  
US-09-975-132A-4

Query Match 30.0%; Score 31.5; DB 9; Length 15;  
Best Local Similarity 47.1%; Pred. No. 4.9e+02;  
Matches 8; Conservative 2; Mismatches 4; Indels 3; Gaps 1;

QY 2 SGKNEGTVNNNEAFK 18  
: | | | | | | | |  
Db 1 AGK---TNSFNQVALK 14

RESULT 14  
US-10-354-240-79  
; Sequence 79, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kousuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Dise.  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 79  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:

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; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: CRYJ1 peptide, Figure 1, Row 65
US-10-354-240-79

Query Match      29.5%; Score 31; DB 14; Length 15;
Best Local Similarity 60.0%; Pred. No. 5.8e+02;
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy      11 YNNNEAFKVE 20
      | | | | |
Db      1 YTKKEAFNVE 10

RESULT 15
US-10-146-305-13
; Sequence 13, Application US/10146305
; Publication No. US20020173035A1
; GENERAL INFORMATION:
; APPLICANT: YUHAN CORPORATION
; TITLE OF INVENTION: A VARIABLE REGION OF THE MONOCLONAL ANTIBODY AGAINST THE HBV
; FILE REFERENCE: OVI7440
; CURRENT APPLICATION NUMBER: US/10/146,305
; CURRENT FILING DATE: 2002-05-15
; PRIOR APPLICATION NUMBER: KR 10-2001-26634
; PRIOR FILING DATE: 2001-05-16
; NUMBER OF SEQ.ID NOS: 14
; SOFTWARE: KopatentIn 1.71
; SEQ ID NO 13
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Escherichia coli
US-10-146-305-13

Query Match      29.5%; Score 31; DB 13; Length 17;
Best Local Similarity 50.0%; Pred. No. 6.7e+02;
Matches 7; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

Qy      5 NEGTYNNNEAFK 18
      | | | | |
Db      3 NPGSGGTNYNEKFK 16

Search completed: February 1, 2005, 08:27:16
Job time : 62.1429 secs
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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: February 1, 2005, 07:38:44 ; Search time 18.4286 Seconds  
(without alignments)  
71.973 Million cell updates/sec

Title: US-09-202-464-34

Perfect score: 105

Sequence: 1 SSGKNEGTYNNNEAFKVE 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:\*

- 1: /cgn2\_6/ptodata/1/iaa/5A COMB.pep.\*
- 2: /cgn2\_6/ptodata/1/iaa/5B COMB.pep.\*
- 3: /cgn2\_6/ptodata/1/iaa/6A COMB.pep.\*
- 4: /cgn2\_6/ptodata/1/iaa/6B COMB.pep.\*
- 5: /cgn2\_6/ptodata/1/iaa/PCTUS COMB.pep.\*
- 6: /cgn2\_6/ptodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	105	100.0	20	4	US-09-142-524D-12
2	67	63.8	20	3	US-08-467-023-57
3	50	47.6	15	4	US-09-142-524D-78
4	48	45.7	15	4	US-09-142-524D-77
5	36	34.3	15	4	US-09-142-524D-76
6	36	34.3	20	3	US-08-467-023-56
7	33	31.4	17	2	US-08-672-345C-68
8	33	31.4	17	3	US-09-214-095D-68
9	31.5	30.0	20	6	5204097-3
10	31	29.5	14	1	US-08-475-989-16
11	31	29.5	14	2	US-08-475-985-16
12	31	29.5	14	3	US-08-256-839-16
13	31	29.5	15	4	US-09-142-524D-79
14	31	29.5	19	2	US-08-811-492-127
15	31	29.5	20	3	US-08-467-023-58
16	30	28.6	17	2	US-08-476-176B-51
17	30	28.6	17	3	US-08-127-721A-51
18	30	28.6	17	3	US-08-485-246A-51
19	30	28.6	18	5	PCT-US94-01234-21
20	29	27.6	11	2	US-08-538-960-8
21	29	27.6	11	3	US-08-659-254-8
22	29	27.6	13	5	PCT-US94-01234-70
23	29	27.6	18	5	PCT-US94-01234-28
24	29	27.6	18	5	PCT-US94-01234-30
25	29	27.6	18	5	PCT-US94-01234-34
26	28	26.7	13	1	US-08-264-093-18
27	28	26.7	14	4	US-09-443-199C-1211

28 26.7 15 4 US-09-490-702B-31 Sequence 31, Appl  
29 28 26.7 18 3 US-08-928-213B-145 Sequence 145, Appl  
30 28 26.7 19 4 US-10-053-485-19 Sequence 19, Appl  
31 28 26.7 19 4 US-09-563-222C-51 Sequence 51, Appl  
32 27.5 26.2 15 3 US-09-845-632-100 Sequence 100, Appl  
33 27.5 26.2 17 3 US-08-836-561-41 Sequence 41, Appl  
34 27.5 26.2 17 4 US-09-434-122-41 Sequence 41, Appl  
35 27.5 26.2 20 4 US-09-834-759-547 Sequence 547, Appl  
36 27 25.7 13 3 US-08-981-392-78 Sequence 78, Appl  
37 27 25.7 13 4 US-09-908-322-78 Sequence 78, Appl  
38 27 25.7 14 6 5204097-4 Patent No. 5204097  
39 27 25.7 17 3 US-07-987-264-2 Sequence 2, Appl  
40 27 25.7 18 1 US-08-159-340A-14 Sequence 14, Appl  
41 27 25.7 19 1 US-08-432-694-1 Sequence 1, Appl  
42 27 25.7 20 3 US-08-467-023-52 Sequence 52, Appl  
43 27 25.7 20 4 US-09-834-759-546 Sequence 546, Appl  
44 26 24.8 8 3 US-08-444-818-396 Sequence 396, Appl  
45 26 24.8 10 1 US-07-794-288D-211 Sequence 211, Appl

#### ALIGNMENTS

##### RESULT 1

US-09-142-524D-12  
; Sequence 12, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; PRIOR FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 12  
; LENGTH: 20  
; TYPE: PRT  
; ORGANISM: Cryptosporidia japonica  
US-09-142-524D-12

Query Match 100.0%; Score 105; DB 4; Length 20;  
Best Local Similarity 100.0%; Pred. No. 3.5e-10;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SSGKNEGTYNNNEAFKVE 20  
DB 1 SSGKNEGTYNNNEAFKVE 20

##### RESULT 2

US-08-467-023-57  
; Sequence 57, Application US/08467023  
; Patent No. 6090386  
; GENERAL INFORMATION:  
; APPLICANT: Griffith, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bond, Julian F.;  
; APPLICANT: Garman, Richard D;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Siu-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Exley, Mark A.;  
; APPLICANT: Powers, Steven P.  
; TITLE OF INVENTION: Allergenic Proteins And Peptides From  
; TITLE OF INVENTION: Japanese Cedar Pollen  
; NUMBER OF SEQUENCES: 261

CORRESPONDENCE ADDRESS:  
ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.  
STREET: 610 Lincoln St  
CITY: Waltham  
STATE: MA  
COUNTRY: USA  
ZIP: 02154  
  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/467,023  
FILING DATE: June 6, 1995  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/350,225  
FILING DATE: December 6, 1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Jane E. Remillard  
REGISTRATION NUMBER: 38,872  
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 227-7400  
TELEFAX: (617) 227-5941  
INFORMATION FOR SEQ ID NO: 57:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 20 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FRAGMENT TYPE: internal  
US-08-467-023-57

Query Match 63.8%; Score 67; DB 3; Length 20;  
Best Local Similarity 70.0%;  
Matches 14; Conservative 0; Mismatches 6; Indels  
Pred. No. 0.00037;

**Qy**

1 SSGKNEGNIYNNNAFKVE 20  
|||||

**D<sub>b</sub>**

1 SSGKYEGGNIYTKKEAFNVE 20  
|||||

```

RESULT 3
US-09-142-524D-78
; Sequence 78, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Koshuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142, 524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 78
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cry11 peptide, Figure 1, Row 64
US-09-142-524D-78

```

Query Match 47.6%; Score 50; DB 4; Length 15;

Best Local Similarity 66.7%; Pred. No. 0.13;  
Matches 10; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 6 EGTNIYNNKFAKVE 20  
||| ||| ||| |||  
Db 1 EGGNIYTKKFAFNV 15

RESULT 4  
 US-09-142-524D-77  
 ; Sequence 77, Application US/09142524D  
 ; Patent No. 6719976  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Sone, Toshio  
 ; APPLICANT: Kume, Akinori  
 ; APPLICANT: Dairiki, Kazuo  
 ; APPLICANT: Iwama, Akiko  
 ; APPLICANT: Kino, Koshuke  
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
 ; FILE REFERENCE: SPO-103  
 ; CURRENT APPLICATION NUMBER: US/09/142,524D  
 ; CURRENT FILING DATE: 1998-09-09  
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
 ; PRIOR FILING DATE: 1997-03-10  
 ; NUMBER OF SEQ ID NOS: 174  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 77  
 ; LENGTH: 15  
 ; TYPE: PRT  
 ; ORGANISM: Cryptomeria japonica  
 ; FEATURE:  
 ; NAME/KEY: MISC FEATURE  
 ; LOCATION: (1)..(15)  
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 63  
 US-09-142-524D-77

Query Match 45.7%; Score 48; DB 4; Length 15;  
Best Local Similarity 66.7%; Pred. No. 0.27;  
Matches 10; Conservative 0; Mismatches 5; Indels 0;  
Gaps 0;

Qy 1 SSGKNEGNIYNNNE 15  
| | | | | | | | | |  
pjb 1 SSGKYEGGNIYTKKE 15

RESULT 5  
 US-09-142-524D-76  
 ; Sequence 76, Application US/09142524D  
 ; Patent No. 6719976  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Sone, Toshio  
 ; APPLICANT: Kume, Akinori  
 ; APPLICANT: Dairiki, Kazuo  
 ; APPLICANT: Iwama, Akiko  
 ; APPLICANT: Kino, Kohsuke  
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
 ; FILE REFERENCE: SPO-103  
 ; CURRENT APPLICATION NUMBER: US/09/142,524D  
 ; CURRENT FILING DATE: 1998-09-09  
 ; PRIOR APPLICATION NUMBER: PCT/Jp97/00740  
 ; PRIOR FILING DATE: 1997-03-10  
 ; NUMBER OF SEQ ID NOS: 174  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 76  
 ; LENGTH: 15  
 ; TYPE: PRT  
 ; ORGANISM: Cryptomeria japonica  
 ; FEATURE:  
 ; NAME/KEY: MISC FEATURE  
 ; LOCATION: (1)..(15)  
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 62  
 US-09-142-524D-76



Query Match 34.3%; Score 36; DB 4; Length 15;  
Best Local Similarity 80.0%; Pred. No. 22;  
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 SSGKNEGTNI 10  
|||||  
DB 6 SSGKYEGGNI 15

RESULT 6  
US-08-467-023-56  
; Sequence 56, Application US/08467023  
; Patent No. 6090386  
; GENERAL INFORMATION:  
; APPLICANT: Griffith, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bond, Julian F.;  
; APPLICANT: Garman, Richard D;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Siu-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Exley, Mark A.;  
; APPLICANT: Powers, Steven P.  
; TITLE OF INVENTION: Allergenic Proteins And Peptides From  
; TITLE OF INVENTION: Japanese Cedar Pollen  
; NUMBER OF SEQUENCES: 261  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
; STREET: 610 Lincoln St  
; CITY: Waltham  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02154  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/467,023  
; FILING DATE: June 6, 1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/350,225  
; FILING DATE: December 6, 1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jane E. Remillard  
; REGISTRATION NUMBER: 38,872  
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941  
; INFORMATION FOR SEQ ID NO: 56:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal  
; US-08-467-023-56

Query Match 34.3%; Score 36; DB 3; Length 20;  
Best Local Similarity 80.0%; Pred. No. 30;  
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 SSGKNEGTNI 10  
|||||  
DB 11 SSGKYEGGNI 20

RESULT 7  
US-08-672-345C-68  
; Sequence 68, Application US/08672345C

; Patent No. 5948658  
; GENERAL INFORMATION:  
; APPLICANT: Landry, Donald, W.  
; TITLE OF INVENTION: ANTI-COCAINE CATALYTIC ANTIBODY  
; NUMBER OF SEQUENCES: 108  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Cooper and Dunham LLP  
; STREET: 1185 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10036  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/672,345C  
; FILING DATE: 24-JUN-1996  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: White, John P.  
; REGISTRATION NUMBER: 28,678  
; REFERENCE/DOCKET NUMBER: 0575/51400  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212-278-0400  
; TELEFAX: 212-391-0525  
; INFORMATION FOR SEQ ID NO: 68:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 17 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; US-08-672-345C-68

Query Match 31.4%; Score 33; DB 2; Length 17;  
Best Local Similarity 43.8%; Pred. No. 75;  
Matches 7; Conservative 1; Mismatches 8; Indels 0; Gaps 0;

QY 3 GKNEGTNIYNNNEAFK 18  
| | | | |  
DB 1 GGNPGNGVTYFNEKFK 16  
| | | | |

RESULT 8  
US-09-214-095D-68  
; Sequence 68, Application US/09214095D  
; Patent No. 6280987  
; GENERAL INFORMATION:  
; APPLICANT: Landry, Donald  
; TITLE OF INVENTION: ANTI-COCAINE CATALYTIC ANTIBODY  
; FILE REFERENCE: 51400-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/09/214,095D  
; CURRENT FILING DATE: 1999-07-19  
; NUMBER OF SEQ ID NOS: 121  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 68  
; LENGTH: 17  
; TYPE: PRT  
; ORGANISM: Murinae gen. sp.  
; US-09-214-095D-68

Query Match 31.4%; Score 33; DB 3; Length 17;  
Best Local Similarity 43.8%; Pred. No. 75;  
Matches 7; Conservative 1; Mismatches 8; Indels 0; Gaps 0;

QY 3 GKNEGTNIYNNNEAFK 18  
| | | | |  
DB 1 GGNPGNGVTYFNEKFK 16  
| | | | |

RESULT 9  
5204097-3  
; PATENT NO. 5204097  
; APPLICANT: ARNON, RUTH; HARARI, ILANA; KEUSCH, GERALD T.  
; DONOHUE-ROLFE, ARTHUR  
; TITLE OF INVENTION: SHIGA TOXIN B CHAIN POLYPEPTIDES AND  
; VACCINE THEREOF  
; NUMBER OF SEQUENCES: 5  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/364,506  
; FILING DATE: 09-JUN-1989  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 70,243  
; FILING DATE: 06-JUL-1987  
; SEQ ID NO: 3:  
; LENGTH: 20  
5204097-3

Query Match 30.0%; Score 31.5; DB 6; Length 20;  
Best Local Similarity 44.4%; Pred. No. 1.6e+02;  
Matches 8; Conservative 4; Mismatches 5; Indels 1; Gaps 1;  
QY 3 GKNEGTNIYNNNAFKVE 20  
Db 1 GKVEYTK-YNDDTFTVK 17

RESULT 10  
US-08-475-989-16  
; Sequence 16, Application US/08475989  
; Patent No. 5679352  
; GENERAL INFORMATION:  
; APPLICANT: CHONG, Pele  
; APPLICANT: KANDIL, Ali  
; APPLICANT: SIA, Charles  
; APPLICANT: KLEIN, Michel  
; TITLE OF INVENTION: Synthetic Haemophilus Influenzae  
; TITLE OF INVENTION: Conjugate Vaccine  
; NUMBER OF SEQUENCES: 56  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Sim & McBurney  
; STREET: Suite 701, 330 University Avenue  
; CITY: Toronto  
; STATE: Ontario  
; COUNTRY: Canada  
; ZIP: M5G 1R7  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/475,989  
; FILING DATE: 07-JUN-1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/256,839  
; FILING DATE: 03-FEB-1993  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/CA93/00041  
; FILING DATE: 03-FEB-1993  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: GB 9202219.3  
; FILING DATE: 03-FEB-1992  
; CLASSIFICATION: 424  
; ATTORNEY/AGENT INFORMATION:  
; NAME: STEWART, MICHAEL I.  
; REGISTRATION NUMBER: 24,973  
; REFERENCE/DOCKET NUMBER: 1038-505 MTS:vg  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (416) 595-1155

; TELEFAX: (416) 595-1163  
; INFORMATION FOR SEQ ID NO: 16:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 14 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
US-08-475-989-16  
Query Match 29.5%; Score 31; DB 1; Length 14;  
Best Local Similarity 83.3%; Pred. No. 1.3e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;  
QY 5 NEGTVI 10  
Db 6 NEGTVI 11  
RESULT 11  
US-08-475-985-16  
; Sequence 16, Application US/08475985  
; Patent No. 5972349  
; GENERAL INFORMATION:  
; APPLICANT: CHONG, Pele  
; APPLICANT: KANDIL, Ali  
; APPLICANT: SIA, Charles  
; APPLICANT: KLEIN, Michel  
; TITLE OF INVENTION: Synthetic Haemophilus Influenzae  
; TITLE OF INVENTION: Conjugate Vaccine  
; NUMBER OF SEQUENCES: 56  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Sim & McBurney  
; STREET: Suite 701, 330 University Avenue  
; CITY: Toronto  
; STATE: Ontario  
; COUNTRY: Canada  
; ZIP: M5G 1R7  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/475,985  
; FILING DATE: 07-JUN-1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/256,839  
; FILING DATE: 03-FEB-1993  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/CA93/00041  
; FILING DATE: 03-FEB-1993  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: GB 9202219.3  
; FILING DATE: 03-FEB-1992  
; CLASSIFICATION: 424  
; ATTORNEY/AGENT INFORMATION:  
; NAME: STEWART, MICHAEL I.  
; REGISTRATION NUMBER: 24,973  
; REFERENCE/DOCKET NUMBER: 1038-506 MTS:vg  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (416) 595-1155  
; TELEFAX: (416) 595-1163  
; INFORMATION FOR SEQ ID NO: 16:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 14 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
US-08-475-985-16

Query Match 29.5%; Score 31; DB 2; Length 14;  
Best Local Similarity 83.3%; Pred. No. 1.3e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;  
  
QY 5 NEGTVI 10  
|||||:  
Db 6 NEGTVI 11

RESULT 12  
US-08-256-839-16  
; Sequence 16, Application US/08256839  
; Patent No. 6018019  
; GENERAL INFORMATION:  
; APPLICANT: CHONG, Pele  
; APPLICANT: KANDIL, Ali  
; APPLICANT: SIA, Charles  
; APPLICANT: KLEIN, Michel  
; TITLE OF INVENTION: Synthetic Haemophilus Influenzae  
; TITLE OF INVENTION: Conjugate Vaccine  
; NUMBER OF SEQUENCES: 56  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Sim & McBurney  
; STREET: Suite 701, 330 University Avenue  
; CITY: Toronto  
; STATE: Ontario  
; COUNTRY: Canada  
; ZIP: M5G 1R7  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/256,839  
; FILING DATE:  
; CLASSIFICATION: 424  
; ATTORNEY/AGENT INFORMATION:  
; NAME: STEWART, MICHAEL I.  
; REGISTRATION NUMBER: 24,973  
; REFERENCE/DOCKET NUMBER: 1038-373 MIS:jb  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (416) 595-1155  
; TELEFAX: (416) 595-1163  
; INFORMATION FOR SEQ ID NO: 16:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 14 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; US-08-256-839-16

Query Match 29.5%; Score 31; DB 3; Length 14;  
Best Local Similarity 83.3%; Pred. No. 1.3e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;  
  
QY 5 NEGTVI 10  
|||||:  
Db 6 NEGTVI 11

RESULT 13  
US-09-142-524D-79  
; Sequence 79, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103

; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 79  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 65  
US-09-142-524D-79  
  
Query Match 29.5%; Score 31; DB 4; Length 15;  
Best Local Similarity 60.0%; Pred. No. 1.4e+02;  
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;  
  
QY 11 YNNNEAFKVE 20  
| | | | |  
Db 1 YTKKEAFNVE 10  
  
RESULT 14  
US-08-811-492-127  
; Sequence 127, Application US/08811492  
; Patent No. 5834247  
; GENERAL INFORMATION:  
; APPLICANT: COMB, DONALD G.  
; APPLICANT: PERLER, FRANCES E.  
; APPLICANT: JACK, WILLIAM E.  
; APPLICANT: XU, MING-OUN  
; APPLICANT: HODGES, ROBERT A.  
; APPLICANT: NOREN, CHRISTOPHER J.  
; APPLICANT: CHONG, SHAORONG S.C.  
; APPLICANT: ADAM, ERIC  
; APPLICANT: SOUTHWORTH, MAURICE  
; TITLE OF INVENTION: MODIFIED PROTEINS, METHODS OF THEIR  
; TITLE OF INVENTION: PRODUCTION AND METHODS FOR PURIFICATION OF TARGET  
; TITLE OF INVENTION: PROTEINS  
; NUMBER OF SEQUENCES: 155  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: GREGORY D. WILLIAMS; NEW ENGLAND BIOLABS, INC.  
; STREET: 32 TOZER ROAD  
; CITY: BEVERLY  
; STATE: MASSACHUSETTS  
; COUNTRY: USA  
; ZIP: 01915  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC\ DOS\MS\ DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/811,492  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/580,555  
; FILING DATE: 29-DEC-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/496,247  
; FILING DATE: 28-JUN-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/146,885  
; FILING DATE: 03-NOV-1993  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/004,139

; FILING DATE: 09-DEC-1992  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Williams, Gregory D  
; REGISTRATION NUMBER: 30901  
; REFERENCE/DOCKET NUMBER: NEB-036C4  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 508-927-5054  
; TELEFAX: 509-927-1705  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 127:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 19 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; US-08-811-492-127

Query Match 29.5%; Score 31; DB 2; Length 19;  
Best Local Similarity 46.2%; Pred. No. 1.8e+02;  
Matches 6; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 2 SGRNEGTYNN 14  
Db 6 NGRNGNGGND 18

RESULT 15  
US-08-467-023-58  
; Sequence 58, Application US/08467023  
; Patent No. 6090386  
; GENERAL INFORMATION:  
; APPLICANT: Griffith, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bond, Julian F.;  
; APPLICANT: Garman, Richard D;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Siu-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Exley, Mark A.;  
; APPLICANT: Powers, Steven P.  
; TITLE OF INVENTION: Allergenic Proteins And Peptides From  
; TITLE OF INVENTION: Japanese Cedar Pollen  
; NUMBER OF SEQUENCES: 261  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
; STREET: 610 Lincoln St  
; CITY: Waltham  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02154  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/467,023  
; FILING DATE: June 6, 1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/350,225  
; FILING DATE: December 6, 1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jane E. Remillard  
; REGISTRATION NUMBER: 38,872  
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941  
; INFORMATION FOR SEQ ID NO: 58:  
; SEQUENCE CHARACTERISTICS:

; LENGTH: 20 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal  
; US-08-467-023-58

Query Match 29.5%; Score 31; DB 3; Length 20;  
Best Local Similarity 60.0%; Pred. No. 1.9e+02;  
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 11 YNNNEAPKVE 20  
Db 1 YTKKEAFNVE 10

Search completed: February 1, 2005, 07:52:27  
Job time : 18.4286 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: February 1, 2005, 07:47:50 ; Search time 61.1429 Seconds  
(without alignments)  
118.179 Million cell updates/sec

Title: US-09-202-464-35

Perfect score: 104

Sequence: 1 YNNNEAFKVENGAAPQLTK 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:\*

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- 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*
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- 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*
- 6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*
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- 10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*
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- 20: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length DB ID	Description
1	62	59.6	15 14 US-10-354-240-80	Sequence 80, Appl
2	54	51.9	20 14 US-10-354-240-12	Sequence 12, Appl
3	48	46.2	15 14 US-10-354-240-79	Sequence 79, Appl
4	43	41.3	15 14 US-10-354-240-81	Sequence 81, Appl
5	34	32.7	15 9 US-09-767-460-31	Sequence 31, Appl
6	33	31.7	16 15 US-10-449-829A-15	Sequence 15, Appl
7	31	29.8	15 14 US-10-354-240-78	Sequence 78, Appl
8	31	29.8	15 14 US-10-216-484-41	Sequence 41, Appl
9	31	29.8	20 14 US-10-384-933-41	Sequence 41, Appl
10	30	28.8	12 14 US-10-227-616-16	Sequence 16, Appl
11	30	28.8	14 14 US-10-173-461-17	Sequence 17, Appl
12	30	28.8	15 17 US-10-769-514-71	Sequence 71, Appl
13	30	28.8	18 14 US-10-053-485-31	Sequence 31, Appl

14	29	27.9	12	16	US-10-203-969A-208	Sequence 208, App
15	29	27.9	12	16	US-10-203-969A-209	Sequence 209, App
16	29	27.9	12	16	US-10-203-969A-210	Sequence 210, App
17	29	27.9	12	16	US-10-203-969A-211	Sequence 211, App
18	29	27.9	12	16	US-10-203-969A-212	Sequence 212, App
19	29	27.9	12	16	US-10-203-969A-390	Sequence 390, App
20	29	27.9	12	16	US-10-203-969A-391	Sequence 391, App
21	29	27.9	12	16	US-10-203-969A-392	Sequence 392, App
22	29	27.9	12	16	US-10-203-969A-393	Sequence 393, App
23	29	27.9	12	16	US-10-642-553-75	Sequence 75, Appl
24	29	27.9	12	16	US-10-642-553-76	Sequence 76, Appl
25	29	27.9	12	16	US-10-642-553-77	Sequence 77, Appl
26	29	27.9	12	16	US-10-642-553-78	Sequence 78, Appl
27	29	27.9	12	16	US-10-642-553-79	Sequence 79, Appl
28	29	27.9	12	16	US-10-642-553-251	Sequence 251, App
29	29	27.9	12	16	US-10-642-553-252	Sequence 252, App
30	29	27.9	13	16	US-09-747-802-5	Sequence 5, Appl
31	29	27.9	13	16	US-10-789-613-5	Sequence 5, Appl
32	29	27.9	14	16	US-10-481-180-796	Sequence 796, App
33	29	27.9	18	16	US-10-481-180-820	Sequence 820, App
34	29	27.9	20	14	US-10-225-567A-1661	Sequence 1661, Ap
35	29	27.9	20	16	US-10-481-180-827	Sequence 827, App
36	29	27.9	20	16	US-10-481-180-828	Sequence 828, App
37	28	26.9	11	14	US-10-286-457-194	Sequence 194, App
38	28	26.9	11	17	US-10-769-514-74	Sequence 74, Appl
39	28	26.9	15	14	US-10-221-125-30	Sequence 30, Appl
40	28	26.9	15	17	US-10-769-514-70	Sequence 70, Appl
41	28	26.9	16	14	US-10-178-488-21	Sequence 21, Appl
42	28	26.9	19	14	US-10-053-485-19	Sequence 19, Appl
43	28	26.9	19	14	US-10-225-567A-2002	Sequence 2002, Ap
44	28	26.9	19	15	US-10-403-938-31	Sequence 31, Appl
45	28	26.9	20	17	US-10-776-013-538	Sequence 538, App

#### ALIGNMENTS

#### RESULT 1

US-10-354-240-80  
; Sequence 80, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 80  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Crys1 peptide, Figure 1, Row 66  
US-10-354-240-80

Query Match . 59.6%; Score 62; DB 14; Length 15;  
Best Local Similarity 80.8%; Pred. No. 0.0023;  
Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 6 AFKVENGAAPQLTK 20  
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Db 1 AFNVEGNATPOLTK 15

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RESULT 2
US-10-354-240-12
; Sequence 12, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinoiri
; APPLICANT: Daiiki, Kazuo
; APPLICANT: Iwano, Akiko
; APPLICANT: Kimo, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunot
; FILE REFERENCE: SPO-103DI
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCY/JPS97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
US-10-354-240-12

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Query Match 51.9%; Score 54; DB 14; Length 20;  
Best Local Similarity 100.0%; Pred. No. 0.07;  
Matches 10; Conservative 0; Mismatches 0; Indels

Qy	1	YNNNEAFKVE	10
Db	11	YNNNEAFKVE	20

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RESULT 3
US-10-354-240-79
: Sequence 79, Application US/10354240
: Publication No. US20030185847A1
: GENERAL INFORMATION:
: APPLICANT: Sone, Toshio
: APPLICANT: Kume, Akinori
: APPLICANT: Dairik, Kazuo
: APPLICANT: Iwano, Akiko
: APPLICANT: Kino, Koheuke
: TITLE OF INVENTION: Peptide-Based I
: FILE REFERENCE: SPO-103D1
: CURRENT APPLICATION NUMBER: US/10/3
: CURRENT FILING DATE: 2003-01-29
: PRIOR APPLICATION NUMBER: PCT/JP97/
: PRIOR FILING DATE: 1997-03-10
: PRIOR APPLICATION NUMBER: US 09/142
: PRIOR FILING DATE: 1998-09-09
: NUMBER OF SEQ ID NOS: 174
: SOFTWARE: Patent version 3.1
: SEQ ID NO 79
: LENGTH: 15
: TYPE: PPT
: ORGANISM: Cryptomeria japonica
: FEATURE:
: NAME/KEY: MISC FEATURE
: LOCATION: (1)..(15)
: OTHER INFORMATION: Cryj1 peptide,
US-10-354-240-79

```

Query Match 46.2%; Score 48; DB 14; Length 15;  
Best Local Similarity 64.3%; Pred. No. 0.5;  
Matches 9; Conservative 1; Mismatches 4; Indels

QY 1 YNNNEAFKVENGSA 14

Db 1 YTKKEAFNVENGNA 14

```

RESULT 4
US-10-354-240-81
; Sequence 81, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dariki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kono, Kousuke
; TITLE OF INVENTION: Peptide-Based Immunot
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 81
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure
US-10-354-240-81

```

Query Match 41.3%; Score 43; DB 14; Length 15;  
Best Local Similarity 80.0%; Pred. No. 3.5;  
Matches 8; Conservative 1; Mismatches 1; Indels

Qy 11 NGSAAPQLTK 20  
.:|||  
Db 1 NGNATPOLTK 10

```

RESULT 5
US-09-767-460-31
; Sequence 31, Application US/09767460
; Patent No. US20020009756A1
; GENERAL INFORMATION:
; APPLICANT: Mandell, Arnold
; APPLICANT: Seiz, Karen
; APPLICANT: Shlesinger, Michael
; TITLE OF INVENTION: Algorithmic Design of Peptides for Binding and/or Modulation of
; TITLE OF INVENTION: Functions of Receptors and/or Other Proteins
; FILE REFERENCE: 01561-0002-CPUS01
; CURRENT APPLICATION NUMBER: US/09/767,460
; CURRENT FILING DATE: 2001-01-23
; NUMBER OF SEQ ID NOS: 96
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 31
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-767-460-31

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Query Match      32.7%; Score 34; DB 9; Length 15;
Best Local Similarity 50.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 2; Mismatches 4; Indels 0; Caps 0;
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QY	1	YNNNEAFK	VENG	12
			:	:
Db	2	YKHNEATD	IEKG	13

RESULT 6  
US-10-449-829A-15  
; Sequence 15, Application US/10449829A  
; Publication No. US20040043425A1  
; GENERAL INFORMATION:  
; APPLICANT: TERRETT, Jonathan Alexander  
; TITLE OF INVENTION: HALL, Ian Philip  
; TITLE OF INVENTION: PROTEINS, GENES AND THEIR USE FOR DIAGNOSIS AND TREATMENT OF CHRC  
; TITLE OF INVENTION: ASTHMA  
; FILE REFERENCE: 2543-1-029  
; CURRENT APPLICATION NUMBER: US/10/449,829A  
; CURRENT FILING DATE: 2003-05-30  
; PRIOR APPLICATION NUMBER: PCT/GB01/05476  
; PRIOR FILING DATE: 2001-12-10  
; PRIOR APPLICATION NUMBER: P32060GB  
; PRIOR FILING DATE: 2000-12-08  
; NUMBER OF SEQ ID NOS: 49  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 15  
; LENGTH: 16  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-449-829A-15

Query Match 31.7%; Score 33; DB 15; Length 16;  
Best Local Similarity 45.5%; Pred. No. 1.8e+02;  
Matches 5; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 7 FKVNGSAAPQ 17  
| : | : | : | :  
Db 1 FNIISGGFAPE 11

RESULT 7  
US-10-354-240-78  
; Sequence 78, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103Di  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 78  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC\_FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 64  
US-10-354-240-78

Query Match 29.8%; Score 31; DB 14; Length 15;  
Best Local Similarity 60.0%; Pred. No. 3.6e+02;  
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 YNNNEAFKVE 10  
| : | : | : | :  
Db 6 YTKKEAFNVE 15

RESULT 8  
US-10-216-484-41  
; Sequence 41, Application US/10216484  
; Publication No. US20030103976A1  
; GENERAL INFORMATION:  
; APPLICANT: Serizawa, No. US20030103976Alufusa  
; APPLICANT: Haruyama, Hideyuki  
; APPLICANT: Nakahara, Kaori  
; APPLICANT: Tamaki, Ikuko  
; APPLICANT: Takahashi, Tohru  
; TITLE OF INVENTION: Anti-Fas Antibodies  
; FILE REFERENCE: 980126CIP/HG  
; CURRENT APPLICATION NUMBER: US/10/216,484  
; CURRENT FILING DATE: 2002-08-09  
; PRIOR APPLICATION NUMBER: US/09/499,662  
; PRIOR FILING DATE: 2000-02-09  
; PRIOR APPLICATION NUMBER: US 09/053,583  
; PRIOR FILING DATE: 1998-04-01  
; NUMBER OF SEQ ID NOS: 165  
; SEQ ID NO 41  
; LENGTH: 20  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-216-484-41

Query Match 29.8%; Score 31; DB 14; Length 20;  
Best Local Similarity 60.0%; Pred. No. 5e+02;  
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 YNNNEAFKVE 10  
| : | : | : | :  
Db 11 YTKKEAFNVE 20

RESULT 9  
US-10-384-933-41  
; Sequence 41, Application US/10384933  
; Publication No. US20030170817A1  
; GENERAL INFORMATION:  
; APPLICANT: Serizawa, No. US20030170817Alufusa  
; APPLICANT: Haruyama, Hideyuki  
; APPLICANT: Nakahara, Kaori  
; APPLICANT: Tamaki, Ikuko  
; APPLICANT: Takahashi, Tohru  
; TITLE OF INVENTION: Anti-Fas Antibodies  
; FILE REFERENCE: 980126CIP/HG  
; CURRENT APPLICATION NUMBER: US/10/384,933  
; CURRENT FILING DATE: 2003-02-05  
; PRIOR APPLICATION NUMBER: US/09/499,662  
; PRIOR FILING DATE: 2000-02-09  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583  
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01  
; NUMBER OF SEQ ID NOS: 165  
; SEQ ID NO 41  
; LENGTH: 20  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-384-933-41

Query Match 29.8%; Score 31; DB 14; Length 20;  
Best Local Similarity 60.0%; Pred. No. 5e+02;  
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 YNNNEAFKVE 10  
| : | : | : | :  
Db 11 YTKKEAFNVE 20

RESULT 10  
US-10-227-616-16  
; Sequence 16, Application US/10227616  
; Publication No. US20030099662A1

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; GENERAL INFORMATION:
; APPLICANT: Boyd, Robert Simon
; APPLICANT: Stamps, Alasdair Craig
; APPLICANT: Terrett, Jonathan Alexander
; TITLE OF INVENTION: Proteins
; FILE REFERENCE: 2543-1-028
; CURRENT APPLICATION NUMBER: US/10/227,616
; CURRENT FILING DATE: 2002-08-23
; PRIOR APPLICATION NUMBER: GB 0004576.5
; PRIOR FILING DATE: 2000-02-25
; PRIOR APPLICATION NUMBER: GB 0031341.1
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 110
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 16
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-227-616-16

Query Match      28.8%; Score 30; DB 14; Length 12;
Best Local Similarity 50.0%; Pred. No. 4e+02;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 NNNEAFKVEN 11
   |||||
Db 1 NGNQAFNEDN 10
   |||||

RESULT 11
US-10-173-461-17
; Sequence 17, Application US/10173461
; Publication No. US20030138795A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL HUMAN GROWTH FACTOR WITH HOMOLOGOUS
; TITLE OF INVENTION: EPIDERMAL GROWTH FACTOR, BGS-8, EXPRESSED HIGHLY IN IMMUNE TISSU
; FILE REFERENCE: D0166 NP
; CURRENT APPLICATION NUMBER: US/10/173,461
; CURRENT FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: US 60/298,340
; PRIOR FILING DATE: 2001-06-14
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 17
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-173-461-17

Query Match      28.8%; Score 30; DB 14; Length 14;
Best Local Similarity 85.7%; Pred. No. 4.8e+02;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 8 KVENGSA 14
   :|||||
Db 3 QVENGSA 9
   :|||||

RESULT 12
US-10-769-514-71
; Sequence 71, Application US/10769514
; Publication No. US20040258695A1
; GENERAL INFORMATION:
; APPLICANT: Schryvers, Anthony
; TITLE OF INVENTION: Transferrin Binding Peptides and Uses Thereof
; FILE REFERENCE: 028722-001
; CURRENT APPLICATION NUMBER: US/10/769,514
; CURRENT FILING DATE: 2004-01-30
; PRIOR APPLICATION NUMBER: US 60/444,113
; PRIOR FILING DATE: 2003-01-31
; NUMBER OF SEQ ID NOS: 86
; SOFTWARE: FastSEQ for Windows Version 4.0

; GENERAL INFORMATION:
; APPLICANT: Boyd, Robert Simon
; APPLICANT: Stamps, Alasdair Craig
; APPLICANT: Terrett, Jonathan Alexander
; TITLE OF INVENTION: Proteins
; FILE REFERENCE: 2543-1-028
; CURRENT APPLICATION NUMBER: US/10/227,616
; CURRENT FILING DATE: 2002-08-23
; PRIOR APPLICATION NUMBER: GB 0004576.5
; PRIOR FILING DATE: 2000-02-25
; PRIOR APPLICATION NUMBER: GB 0031341.1
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 110
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 16
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-227-616-16

Query Match      28.8%; Score 30; DB 14; Length 12;
Best Local Similarity 50.0%; Pred. No. 4e+02;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 NNNEAFKVEN 11
   |||||
Db 1 NGNQAFNEDN 10
   |||||

RESULT 11
US-10-173-461-17
; Sequence 17, Application US/10173461
; Publication No. US20030138795A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL HUMAN GROWTH FACTOR WITH HOMOLOGOUS
; TITLE OF INVENTION: EPIDERMAL GROWTH FACTOR, BGS-8, EXPRESSED HIGHLY IN IMMUNE TISSU
; FILE REFERENCE: D0166 NP
; CURRENT APPLICATION NUMBER: US/10/173,461
; CURRENT FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: US 60/298,340
; PRIOR FILING DATE: 2001-06-14
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 17
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-173-461-17

Query Match      28.8%; Score 30; DB 14; Length 14;
Best Local Similarity 85.7%; Pred. No. 4.8e+02;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 8 KVENGSA 14
   :|||||
Db 3 QVENGSA 9
   :|||||

RESULT 12
US-10-769-514-71
; Sequence 71, Application US/10769514
; Publication No. US20040258695A1
; GENERAL INFORMATION:
; APPLICANT: Schryvers, Anthony
; TITLE OF INVENTION: Transferrin Binding Peptides and Uses Thereof
; FILE REFERENCE: 028722-001
; CURRENT APPLICATION NUMBER: US/10/769,514
; CURRENT FILING DATE: 2004-01-30
; PRIOR APPLICATION NUMBER: US 60/444,113
; PRIOR FILING DATE: 2003-01-31
; NUMBER OF SEQ ID NOS: 86
; SOFTWARE: FastSEQ for Windows Version 4.0

; GENERAL INFORMATION:
; APPLICANT: Boyd, Robert Simon
; APPLICANT: Stamps, Alasdair Craig
; APPLICANT: Terrett, Jonathan Alexander
; TITLE OF INVENTION: Proteins
; FILE REFERENCE: 2543-1-028
; CURRENT APPLICATION NUMBER: US/10/227,616
; CURRENT FILING DATE: 2002-08-23
; PRIOR APPLICATION NUMBER: GB 0004576.5
; PRIOR FILING DATE: 2000-02-25
; PRIOR APPLICATION NUMBER: GB 0031341.1
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 110
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 16
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-227-616-16

Query Match      28.8%; Score 30; DB 17; Length 15;
Best Local Similarity 57.1%; Pred. No. 5.3e+02;
Matches 8; Conservative 1; Mismatches 1; Indels 4; Gaps 1;

QY 2 NNNEAFKVEN 11
   |||||
Db 1 NNNEAWAKNLKEN 14
   |||||

RESULT 13
US-10-053-485-31
; Sequence 31, Application US/10053485
; Publication No. US20030047680A1
; GENERAL INFORMATION:
; APPLICANT: Figeys, Daniel
; APPLICANT: Aebersold, Ruedi
; TITLE OF INVENTION: ELECTROOSMOTIC FLUIDIC DEVICE AND RELATED METHODS
; FILE REFERENCE: UWOTL118617
; CURRENT APPLICATION NUMBER: US/10/053,485
; CURRENT FILING DATE: 2002-05-28
; PRIOR APPLICATION NUMBER: US 09/209,880
; PRIOR FILING DATE: 1998-12-11
; PRIOR APPLICATION NUMBER: US 60/069,398
; PRIOR FILING DATE: 1997-12-12
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 31
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Saccharomyces cerevisiae
US-10-053-485-31

Query Match      28.8%; Score 30; DB 14; Length 18;
Best Local Similarity 55.6%; Pred. No. 6.5e+02;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 4 NEAFKVENG 12
   |||||
Db 4 NDAFGIEEG 12
   |||||

RESULT 14
US-10-203-969A-208
; Sequence 208, Application US/10203969A
; Publication No. US20040110224A1
; GENERAL INFORMATION:
; APPLICANT: Puijk, Wouter C.
; APPLICANT: Dijk van, Evert
; APPLICANT: Slootstra, Jelle W.
; TITLE OF INVENTION: Segment synthesis
; FILE REFERENCE: P50200500
; CURRENT APPLICATION NUMBER: US/10/203,969A
; CURRENT FILING DATE: 2003-07-07
; PRIOR APPLICATION NUMBER: EP 00200536.1
; PRIOR FILING DATE: 2000-02-16
; PRIOR APPLICATION NUMBER: PCT/NL01/00131
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 660
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 208
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: 12-mer peptide
```



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; OTHER INFORMATION: derived from hFSH
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)..(12)
US-10-203-969A-208
Query Match      27.9%; Score 29; DB 16; Length 12;
Best Local Similarity 75.0%; Pred. No. 5.9e+02;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 7 FKVENGSA 14
   |||||:|
Db 5 FKVENHTA 12
```

```
RESULT 15
US-10-203-969A-209
; Sequence 209, Application US/10203969A
; Publication No. US20040110224A1
; GENERAL INFORMATION:
; APPLICANT: Puijk, Wouter C.
; APPLICANT: Puijk van, Evert
; APPLICANT: Sijmstra, Jelle W.
; TITLE OF INVENTION: Segment synthesis
; FILE REFERENCE: P50200US00
; CURRENT APPLICATION NUMBER: US/10/203,969A
; CURRENT FILING DATE: 2003-07-07
; PRIOR APPLICATION NUMBER: EP 00200536.1
; PRIOR FILING DATE: 2000-02-16
; PRIOR APPLICATION NUMBER: PCT/NL01/00131
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ.ID NOS: 660
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 209
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: 12-mer peptide
; OTHER INFORMATION: derived from hFSH
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)..(12)
US-10-203-969A-209
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```
Query Match      27.9%; Score 29; DB 16; Length 12;
Best Local Similarity 75.0%; Pred. No. 5.9e+02;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 7 FKVENGSA 14
   |||||:|
Db 4 FKVENHTA 11
```

Search completed: February 1, 2005, 08:27:17  
Job time : 62.1429 secs



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OM protein - protein search, using sw model

Run on: February 1, 2005, 07:38:44 ; Search time 18.4286 Seconds  
(without alignments)  
71.973 Million cell updates/sec

Title: US-09-202-464-35

Perfect score: 104

Sequence: 1 YNNNEAFKVENGAAPQLTK 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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- 3: /cgn2\_6/ptodata/1/iaa/6A\_COMB.pep.\*
- 4: /cgn2\_6/ptodata/1/iaa/6B\_COMB.pep.\*
- 5: /cgn2\_6/ptodata/1/iaa/PCTUS\_COMB.pep.\*
- 6: /cgn2\_6/ptodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	74	71.2	20	3	US-08-467-023-58
2	67	64.4	16	3	US-08-467-023-19
3	66	63.5	16	2	US-08-773-008-4
4	62	59.6	15	4	US-09-142-524D-80
5	54	51.9	20	4	US-09-142-524D-12
6	48	46.2	15	4	US-09-142-524D-79
7	43	41.3	15	4	US-09-142-524D-81
8	43	41.3	15	3	US-08-467-023-59
9	34	32.7	15	4	US-09-490-702B-31
10	32	30.8	17	1	US-08-191-866D-64
11	32	30.8	17	2	US-08-185-949B-64
12	31	29.8	14	1	US-07-961-724C-5
13	31	29.8	15	4	US-09-142-524D-78
14	31	29.8	14	6	US-08-467-023-57
15	30	28.8	14	6	5204097-4
16	30	28.8	18	4	US-10-053-485-31
17	30	28.8	19	2	US-08-729-152-17
18	30	28.8	19	2	US-08-031-538-42
19	30	28.8	20	6	US-08-475-634D-2
20	30	28.8	20	6	5204097-3
21	29	27.9	9	2	US-08-340-283-64
22	29	27.9	13	4	US-09-747-802-5
23	28	26.9	11	2	US-08-404-531B-11
24	28	26.9	11	2	US-08-404-531B-22
25	28	26.9	11	3	US-08-476-900A-11
26	28	26.9	11	3	US-08-476-900A-22
27	28	26.9	11	3	US-08-488-546A-11

28	28	26.9	11	3	US-08-488-546A-22	Sequence 22, Appl
29	28	26.9	16	2	US-08-470-419-21	Sequence 21, Appl
30	28	26.9	16	2	US-08-761-828-21	Sequence 21, Appl
31	28	26.9	16	2	US-08-290-105-21	Sequence 21, Appl
32	28	26.9	16	3	US-08-776-949-21	Sequence 21, Appl
33	28	26.9	16	3	US-08-482-810-21	Sequence 21, Appl
34	28	26.9	16	3	US-09-027-955-21	Sequence 21, Appl
35	28	26.9	16	3	US-09-636-805-21	Sequence 21, Appl
36	28	26.9	16	4	US-09-258-128-21	Sequence 21, Appl
37	28	26.9	16	4	US-09-635-754-21	Sequence 21, Appl
38	28	26.9	16	4	US-08-680-525-21	Sequence 21, Appl
39	28	26.9	16	4	US-09-636-223-21	Sequence 21, Appl
40	28	26.9	19	3	US-09-167-434-15	Sequence 15, Appl
41	28	26.9	19	3	US-08-853-755-15	Sequence 15, Appl
42	28	26.9	19	4	US-10-053-485-19	Sequence 19, Appl
43	27	26.0	10	1	US-08-462-949-22	Sequence 22, Appl
44	27	26.0	10	1	US-08-023-764B-22	Sequence 22, Appl
45	27	26.0	13	1	US-08-089-994A-23	Sequence 23, Appl

ALIGNMENTS

RESULT 1  
US-08-467-023-58  
; Sequence 58, Application US/08467023  
; Patent No. 6090386  
; GENERAL INFORMATION:  
; APPLICANT: Griffith, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bond, Julian F.;  
; APPLICANT: Garman, Richard D;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Siu-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Exley, Mark A.;  
; APPLICANT: Powers, Steven P.  
; TITLE OF INVENTION: Allergenic Proteins And Peptides From  
; TITLE OF INVENTION: Japanese Cedar Pollen  
; NUMBER OF SEQUENCES: 261  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
; STREET: 610 Lincoln St  
; CITY: Waltham  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02154  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/467,023  
; FILING DATE: June 6, 1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/350,225  
; FILING DATE: December 6, 1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jane E. Remillard  
; REGISTRATION NUMBER: 38,872  
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941  
; INFORMATION FOR SEQ ID NO: 58:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal

US-08-467-023-58

Query Match 71.2%; Score 74; DB 3; Length 20;  
Best Local Similarity 70.0%; Pred. No. 3.1e-06;  
Matches 14; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 1 YNNNEAFKVENGAAPOLTK 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 1 YTKKEAFNVENGATPOLTK 20

## RESULT 2

US-08-467-023-19  
; Sequence 19, Application US/08467023  
; Patent No. 6090386  
; GENERAL INFORMATION:  
; APPLICANT: Griffith, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bond, Julian F.;  
; APPLICANT: Garman, Richard D;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Siu-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Exley, Mark A.;  
; APPLICANT: Powers, Steven P.  
; TITLE OF INVENTION: Allergenic Proteins And Peptides From  
; TITLE OF INVENTION: Japanese Cedar Pollen  
; NUMBER OF SEQUENCES: 261  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
; STREET: 610 Lincoln St  
; CITY: Waltham  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02154  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/467,023  
; FILING DATE: June 6, 1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/350,225  
; FILING DATE: December 6, 1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jane E. Remillard  
; REGISTRATION NUMBER: 38,872  
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941  
; INFORMATION FOR SEQ ID NO: 19:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 16 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal  
; ORIGINAL SOURCE:  
; ORGANISM: Cryptomeria japonica

## US-08-467-023-19

Query Match 64.4%; Score 67; DB 3; Length 16;  
Best Local Similarity 81.2%; Pred. No. 3.9e-05;  
Matches 13; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 5 EAFKVENGAAPOLTK 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 1 EAFNVENGATPOLTK 16

## RESULT 3

US-08-773-008-4  
; Sequence 4, Application US/08773008  
; Patent No. 5874401  
; GENERAL INFORMATION:  
; APPLICANT: SANOU, Osamu  
; APPLICANT: HINO, Katsuhiko  
; APPLICANT: KURIMOTO, Masashi  
; TITLE OF INVENTION: PROTEIN, PROCESS TO PRODUCE THE SAME,  
; TITLE OF INVENTION: AND USES THEREOF  
; NUMBER OF SEQUENCES: 5  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BROWDY AND NEIMARK  
; STREET: 419 Seventh Street, N.W., Suite 300  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20004  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/773,008  
; FILING DATE: 24-DEC-1996  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/354,815  
; FILING DATE: 08-DEC-1994  
; APPLICATION NUMBER: JP 347017  
; FILING DATE: 27-DEC-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: YUN, Allen C.  
; REGISTRATION NUMBER: 37,971  
; REFERENCE/DOCKET NUMBER: SANOU=1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-628-5197  
; TELEFAX: 202-737-3528  
; TELEX: 248633  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 16 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-773-008-4

Query Match 63.5%; Score 66; DB 2; Length 16;  
Best Local Similarity 81.2%; Pred. No. 5.8e-05;  
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 5 EAFKVENGAAPOLTK 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 1 EAFNVENGATPOLTK 16

## RESULT 4

US-09-142-524D-80  
; Sequence 80, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09

; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 80  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 66  
US-09-142-524D-80

Query Match 59.6%; Score 62; DB 4; Length 15;  
Best Local Similarity 80.0%; Pred. No. 0.00026;  
Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 6 AFKVENGAAPQLTK 20  
||| ||||| |||||  
Db 1 AFVNGNATPQLTK 15

RESULT 5  
US-09-142-524D-12  
; Sequence 12, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinozi  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 12  
; LENGTH: 20  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
US-09-142-524D-12

Query Match 51.9%; Score 54; DB 4; Length 20;  
Best Local Similarity 100.0%; Pred. No. 0.0094;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YNNNEAPKVE 10  
||| ||||| |||||  
Db 11 YNNNEAPKVE 20

RESULT 6  
US-09-142-524D-79  
; Sequence 79, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinozi  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 79  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 65  
US-09-142-524D-79

Query Match 46.2%; Score 48; DB 4; Length 15;  
Best Local Similarity 64.3%; Pred. No. 0.073;  
Matches 9; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

Qy 1 YNNNEAPKVENGSA 14  
||| ||||| |||||  
Db 1 YTKKEAFNVENGNA 14

RESULT 7  
US-09-142-524D-81  
; Sequence 81, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinozi  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 81  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 67  
US-09-142-524D-81

Query Match 41.3%; Score 43; DB 4; Length 15;  
Best Local Similarity 80.0%; Pred. No. 0.54;  
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 11 NGSAAAPQLTK 20  
||| ||||| |||||  
Db 1 NGNATPQLTK 10

RESULT 8  
US-08-467-023-59  
; Sequence 59, Application US/08467023  
; Patent No. 6090386  
; GENERAL INFORMATION:  
; APPLICANT: Griffith, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bond, Julian F.;  
; APPLICANT: Garman, Richard D;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Siu-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Exley, Mark A.;  
; APPLICANT: Powers, Steven P.  
; TITLE OF INVENTION: Allergenic Proteins And Peptides From Japanese Cedar Pollen

NUMBER OF SEQUENCES: 261  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
STREET: 610 Lincoln St  
CITY: Waltham  
STATE: MA  
COUNTRY: USA  
ZIP: 02154  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/467,023  
FILING DATE: June 6, 1995  
CLASSIFICATION: 424  
PRIOR APPLICATION NUMBER: 08/350,225  
FILING DATE: December 6, 1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Jane E. Remillard  
REGISTRATION NUMBER: 38,872  
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
TELEPHONE: (617) 227-7400  
TELEFAX: (617) 227-5941  
INFORMATION FOR SEQ ID NO: 59:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 20 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FRAGMENT TYPE: internal  
US-08-467-023-59

Query Match 41.3%; Score 43; DB 3; Length 20;  
Best Local Similarity 80.0%; Pred. No. 0.77;  
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 11 NGSAPOLTK 20  
|||  
Db 1 NGNATPOLTK 10

RESULT 9  
US-09-490-702B-31  
Sequence 31, Application US/09490702B  
Patent No. 6560542  
GENERAL INFORMATION:  
APPLICANT: Mandell, Arnold  
APPLICANT: Selz, Karen  
TITLE OF INVENTION: Algorithmic Design of Peptides for Binding and/or Modulation of  
TITLE OF INVENTION: Functions of Receptors and/or Other Proteins  
FILE REFERENCE: 01561-0002-00U500  
CURRENT APPLICATION NUMBER: US/09/490,702B  
CURRENT FILING DATE: 2000-01-24  
NUMBER OF SEQ ID NOS: 96  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 31  
LENGTH: 15  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
NAME/KEY: misc feature  
OTHER INFORMATION: synthetic  
US-09-490-702B-31

Query Match 32.7%; Score 34; DB 4; Length 15;  
Best Local Similarity 50.0%; Pred. No. 20;  
Matches 6; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

Qy 1 YNNNEAFKVENG 12  
|||  
Db 2 YKNEATDIK 13  
|||  
RESULT 10  
US-08-191-866D-64  
Sequence 64, Application US/08191866D  
Patent No. 5783195  
GENERAL INFORMATION:  
APPLICANT: Cochran, Mark D.  
APPLICANT: Macdonald, Richard D.  
TITLE OF INVENTION: Recombinant Infectious Bovine  
TITLE OF INVENTION: Rhinotracheitis Virus S-IBR-052 And Uses Thereof  
NUMBER OF SEQUENCES: 99  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: John P. White  
STREET: 1185 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10036  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/191,866D  
FILING DATE: 4 February 1994  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: White, John P.  
REGISTRATION NUMBER: 28,678  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 278-0400  
TELEFAX: (212) 391-0525  
TELEX: 422523  
INFORMATION FOR SEQ ID NO: 64:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 17 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-191-866D-64

Query Match 30.8%; Score 32; DB 1; Length 17;  
Best Local Similarity 50.0%; Pred. No. 52;  
Matches 5; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 7 FKVENGSAAP 16  
|||  
Db 2 YKIESGARP 11

RESULT 11  
US-08-185-949B-64  
Sequence 64, Application US/08185949B  
Patent No. 5874279  
GENERAL INFORMATION:  
APPLICANT: Mark D. Cochran  
APPLICANT: Richard D. Macdonald  
TITLE OF INVENTION: Recombinant Infectious Bovine  
TITLE OF INVENTION: Rhinotracheitis Virus  
NUMBER OF SEQUENCES: 104  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: John P. White  
STREET: 1185 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10036  
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM 330 466 DX2  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA: US/08/185,949B  
APPLICATION NUMBER: US/08/185,949B  
FILING DATE: 03-NOV-1994  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: White, John P.  
REGISTRATION NUMBER: 678  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 278-0400  
TELEFAX: (212) 278-0525  
INFORMATION FOR SEQ ID NO: 64:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 17 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-185-949B-64

Query Match 30.8%; Score 32; DB 2; Length 17;  
Best Local Similarity 50.0%; Pred. No. 52;  
Matches 5; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 7 FKVNGSAP 16  
Db 2 YKIEGGARP 11

## RESULT 12

US-07-961-724C-5

; Sequence 5, Application US/07961724C  
; Patent No. 5541078  
; GENERAL INFORMATION:  
; APPLICANT: FACON, BRIGITTE  
; APPLICANT: CHAMEKH, MUSTAPHA  
; APPLICANT: DISSOUS, COLETTE  
; APPLICANT: CAPRON, ANDRE  
; APPLICANT: TARTAR, ANDRE  
; APPLICANT: GRAS-MASSE, HELENE  
; TITLE OF INVENTION: IMMUNOGENIC PEPTIDE SEQUENCE OF  
; TITLE OF INVENTION: ECHINOCOCCUS GRANULOSUS, DNA SEQUENCE CODING FOR THIS  
; TITLE OF INVENTION: PEPTIDE SEQUENCE AND DIAGNOSTIC AND THERAPEUTIC  
; TITLE OF INVENTION: APPLICATIONS  
; NUMBER OF SEQUENCES: 17  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
; ADDRESSEE: P.C.  
; STREET: 1755 S. Jefferson Davis Highway, Suite 400  
; CITY: Arlington  
; STATE: Virginia  
; COUNTRY: U.S.A.  
; ZIP: 22202  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/961,724C  
; FILING DATE: 10-MAR-1993  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: FR 90/08900  
; FILING DATE: 12-JUL-1990  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Oblon, No. 5541078man F.  
; REGISTRATION NUMBER: 24,618  
; REFERENCE/DOCKET NUMBER: 660-065-0X PCT  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (703) 413-3000

; TELEFAX: (703) 413-2220  
; TELEX: 248855 OPAT UR  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 14 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; FRAGMENT TYPE: internal  
; US-07-961-724C-5

Query Match 29.8%; Score 31; DB 1; Length 14;  
Best Local Similarity 54.5%; Pred. No. 61;  
Matches 6; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 10 ENGSAAPQLTK 20  
Db 4 QSEKAAAPQLSK 14

## RESULT 13

US-09-142-524D-78

; Sequence 78, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/Jp97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 78  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 64  
; US-09-142-524D-78

Query Match 29.8%; Score 31; DB 4; Length 15;  
Best Local Similarity 60.0%; Pred. No. 67;  
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 YNNNEAFKVE 10  
Db 6 YTKKEAFNVE 15

## RESULT 14

US-08-467-023-57

; Sequence 57, Application US/08467023  
; Patent No. 6090386  
; GENERAL INFORMATION:  
; APPLICANT: Griffith, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bond, Julian F.;  
; APPLICANT: Garman, Richard D;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Siu-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Exley, Mark A.;

APPLICANT: Powers, Steven P.  
TITLE OF INVENTION: Allergenic Proteins And Peptides From  
NUMBER OF SEQUENCES: 261  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
STREET: 610 Lincoln St  
CITY: Waltham  
STATE: MA  
COUNTRY: USA  
ZIP: 02154  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/467,023  
FILING DATE: June 6, 1995  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/350,225  
FILING DATE: December 6, 1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Jane E. Remillard  
REGISTRATION NUMBER: 38,872  
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 227-7400  
TELEFAX: (617) 227-5941  
INFORMATION FOR SEQ ID NO: 57:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 20 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FRAGMENT TYPE: internal  
US-08-467-023-57

Query Match 29.8%; Score 31; DB 3; Length 20;  
Best Local Similarity 60.0%; Pred. No. 95;  
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 YNNNEAFKVE 10  
Db 11 YTKKEAFNVE 20

RESULT 15  
5204097-4  
Patent No. 5204097  
APPLICANT: ARNON, RUTH; HARARI, ILANA; KEUSCH, GERALD T.  
DONOHUE-ROLFE, ARTHUR  
TITLE OF INVENTION: SHIGA TOXIN B CHAIN POLYPEPTIDES AND  
VACCINE THEREOF  
NUMBER OF SEQUENCES: 5  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/364,506  
FILING DATE: 09-JUN-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 70,243  
FILING DATE: 06-JUL-1987  
SEQ ID NO: 4:  
LENGTH: 14  
5204097-4

Query Match 28.8%; Score 30; DB 6; Length 14;  
Best Local Similarity 41.7%; Pred. No. 92;  
Matches 5; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 1 YNNNEAFKVE 12  
Db 2 YNDDTFTVKVG 13

Search completed: February 1, 2005, 07:52:28  
Job time : 19.4286 secs



GenCore version 5.1.6  
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OM protein - protein search, using sw model  
Run on: February 1, 2005, 07:47:50 ; Search time 61.11429 Seconds  
(without alignments)  
118.179 Million cell updates/sec

Title: US-09-202-464-36  
Perfect score: 100  
Sequence: 1 NSGAAPOLTKNAGVLTCLIS 20

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0  
Maximum DB seq length: 20

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA:\*  
1: /cgn2\_6/ptodata/1/pubppaa/US07\_PUBCOMB.pep.\*  
2: /cgn2\_6/ptodata/1/pubppaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/1/pubppaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/1/pubppaa/US06\_PUBCOMB.pep.\*  
5: /cgn2\_6/ptodata/1/pubppaa/US07\_NEW\_PUB.pep.\*  
6: /cgn2\_6/ptodata/1/pubppaa/PCTUS\_PUBCOMB.pep.\*  
7: /cgn2\_6/ptodata/1/pubppaa/US08\_NEW\_PUB.pep.\*  
8: /cgn2\_6/ptodata/1/pubppaa/US08\_PUBCOMB.pep.\*  
9: /cgn2\_6/ptodata/1/pubppaa/US09A\_PUBCOMB.pep.\*  
10: /cgn2\_6/ptodata/1/pubppaa/US09B\_PUBCOMB.pep.\*  
11: /cgn2\_6/ptodata/1/pubppaa/US09C\_PUBCOMB.pep.\*  
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15: /cgn2\_6/ptodata/1/pubppaa/US10C\_PUBCOMB.pep.\*  
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18: /cgn2\_6/ptodata/1/pubppaa/US11\_NEW\_PUB.pep.\*  
19: /cgn2\_6/ptodata/1/pubppaa/US60\_NEW\_PUB.pep.\*  
20: /cgn2\_6/ptodata/1/pubppaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	70	70.0	15	14	US-10-354-240-82
2	67	67.0	15	14	US-10-354-240-81
3	54	54.0	15	14	US-10-354-240-83
4	43	43.0	15	14	US-10-354-240-80
5	30.5	30.5	18	14	US-10-193-477-39
6	30	30.0	15	15	US-10-107-532-6027
7	30	30.0	20	9	US-09-864-761-48069
8	29	29.0	10	10	US-09-572-270A-451
9	29	29.0	10	10	US-09-572-270A-455
10	29	29.0	15	9	US-09-767-460-25
11	29	29.0	17	15	US-10-463-190-73
12	29	29.0	18	14	US-10-029-386-29970
13	29	29.0	19	9	US-09-847-539A-22

14	29	29.0	20	9	US-09-813-333-78	Sequence 78, Appl
15	29	29.0	20	13	US-10-044-703-78	Sequence 78, Appl
16	29	29.0	20	15	US-10-239-103-78	Sequence 78, Appl
17	28.5	28.5	20	14	US-10-299-043-18	Sequence 18, Appl
18	28	28.0	10	9	US-09-891-823-136	Sequence 136, App
19	28	28.0	10	14	US-10-365-908-136	Sequence 136, App
20	28	28.0	10	17	US-10-871-138-136	Sequence 136, App
21	28	28.0	11	15	US-10-601-953-473	Sequence 473, App
22	28	28.0	12	15	US-10-601-953-474	Sequence 474, App
23	28	28.0	13	14	US-10-075-846-19	Sequence 19, Appl
24	28	28.0	13	14	US-10-075-846-33	Sequence 33, Appl
25	28	28.0	13	15	US-10-601-953-463	Sequence 463, App
26	28	28.0	13	15	US-10-601-953-475	Sequence 475, App
27	28	28.0	14	14	US-10-245-871-543	Sequence 543, App
28	28	28.0	14	15	US-10-253-286-543	Sequence 543, App
29	28	28.0	14	15	US-10-601-953-476	Sequence 476, App
30	28	28.0	15	14	US-10-221-125-30	Sequence 30, Appl
31	28	28.0	15	14	US-10-285-394-11	Sequence 11, Appl
32	28	28.0	15	15	US-10-601-953-464	Sequence 464, App
33	28	28.0	16	14	US-10-012-542-431	Sequence 431, App
34	28	28.0	16	14	US-10-115-123-431	Sequence 431, App
35	28	28.0	16	14	US-10-225-567A-1719	Sequence 1719, Ap
36	28	28.0	17	15	US-10-601-953-465	Sequence 465, App
37	28	28.0	18	13	US-10-113-573-2	Sequence 2, Appl
38	28	28.0	18	14	US-10-084-813-100	Sequence 100, App
39	28	28.0	19	14	US-10-411-120-75	Sequence 75, Appl
40	28	28.0	19	14	US-10-245-871-544	Sequence 544, App
41	28	28.0	19	15	US-10-253-286-544	Sequence 544, App
42	28	28.0	19	15	US-10-601-953-466	Sequence 466, App
43	28	28.0	20	14	US-10-047-403-6	Sequence 6, Appl
44	28	28.0	20	16	US-10-714-353-56	Sequence 56, Appl
45	27	27.0	10	10	US-09-572-404B-1058	Sequence 1058, Ap

ALIGNMENTS

RESULT 1

US-10-354-240-82  
; Sequence 82, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 82  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 68  
US-10-354-240-82

Query Match 70.0% Score 70; DB 14; Length 15;  
Best Local Similarity 93.3%; Pred. No. 0.00018;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 6 POLTKNAGVLTCLIS 20  
|||||||

Db 1 POLTKNAGVLTCSLS 15

## RESULT 2

US-10-354-240-81

; Sequence 81, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 81

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 67

US-10-354-240-81

Query Match

Best Local Similarity 67.0%; Score 67; DB 14; Length 15;

Matches 13; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 NGSAAPOLTKNAGVL 15

||:|||||

Db 1 NGNATPOLTKNAGVL 15

## RESULT 3

US-10-354-240-83

; Sequence 83, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 83

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 69

US-10-354-240-83

Query Match

Best Local Similarity 54.0%; Score 54; DB 14; Length 15;

Best Local Similarity 91.7%; Pred. No. 0.079;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 9 TKNAGVLTCSLS 20

|||||

Db 1 TKNAGVLTCSLS 12

## RESULT 4

US-10-354-240-80

; Sequence 80, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 80

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 66

US-10-354-240-80

Query Match

Best Local Similarity 43.0%; Score 43; DB 14; Length 15;

Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 NGSAAPOLTK 10

||:|||||

Db 6 NGNATPOLTK 15

## RESULT 5

US-10-193-477-39

; Sequence 39, Application US/10193477

; Publication No. US20030195163A1

; GENERAL INFORMATION:

; APPLICANT: Bristol-Myers Squibb Company

; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING THREE NOVEL HUMAN CELL SURFACE PROTEINS

; TITLE OF INVENTION: LEUCINE RICH REPEATS AND IMMUNOGLOBULIN FOLDS, BGS2, 3, AND 4,

; TITLE OF INVENTION: THEREOF

; FILE REFERENCE: D0153 NP

; CURRENT APPLICATION NUMBER: US/10/193,477

; CURRENT FILING DATE: 2002-07-11

; PRIOR APPLICATION NUMBER: US 60/304,888

; PRIOR FILING DATE: 2001-07-11

; PRIOR APPLICATION NUMBER: US 60/372,147

; PRIOR FILING DATE: 2002-04-12

; NUMBER OF SEQ ID NOS: 229

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 39

; LENGTH: 18

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-193-477-39

Query Match

Best Local Similarity 30.5%; Score 30.5; DB 14; Length 18;

Matches 41.2%; Pred. No. 7e+02;

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Matches 7; Conservative 3; Mismatches 4; Indels 3; Gaps 1;
Qy 4 AAPQTKNAGVLTCLIS 20
    ||| :|||:|
Db 5 ARPQ---DSGYTCVAS 18
    ||| :|||:|

RESULT 6
US-10-107-532-6027
; Sequence 6027, Application US/10107532
; Publication No. US20040003418A1
; GENERAL INFORMATION:
; APPLICANT: Agensys, Inc.
; APPLICANT: Jakobovits, Aya
; APPLICANT: Faris, Mary
; APPLICANT: Morrison, Karen Jane Meyrick
; APPLICANT: Morrison, Robert Kendall
; APPLICANT: Hubert, Rene S.
; APPLICANT: Afar, Daniel E.H.
; APPLICANT: Ge, Wangmao
; APPLICANT: Raitano, Arthur
; APPLICANT: Challita-Bid, Pia M.
; TITLE OF INVENTION: Nucleic Acid and Corresponding Protein
; FILE REFERENCE: 51158-200064.00
; CURRENT APPLICATION NUMBER: US/10107532
; CURRENT FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: 60/283,112
; PRIOR FILING DATE: 2001-04-10
; PRIOR APPLICATION NUMBER: 60/286,630
; PRIOR FILING DATE: 2001-04-25
; NUMBER OF SEQ ID NOS: 6321
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6027
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-107-532-6027

Query Match 30.0%; Score 30; DB 15; Length 15;
Best Local Similarity 46.2%; Pred. No. 6.9e+02;
Matches 6; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Qy 1 NGSAAPOLTKNAG 13
    ||| :|||:|
Db 3 NGKADPYVWSAG 15
    ||| :|||:|

RESULT 7
US-09-864-761-48069
; Sequence 48069, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aecmica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
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; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annonmax Sequence Listing Engine vers. 1.1
; SEQ ID NO 48069
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC009613.2
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.6
US-09-864-761-48069

Query Match 30.0%; Score 30; DB 9; Length 20;
Best Local Similarity 54.5%; Pred. No. 9.5e+02;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

Qy 7 QLTKNAGVLTIC 17
    ||| :|||:|
Db 3 QLHKQKGYLSC 13
    ||| :|||:|

RESULT 8
US-09-572-270A-451
; Sequence 451, Application US/09572270A
; Publication No. US20030148368A1
; GENERAL INFORMATION:
; APPLICANT: Proteom Ltd
; TITLE OF INVENTION: Inter- complementary peptide listing
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/09/572,270A
; CURRENT FILING DATE: 2000-05-17
; NUMBER OF SEQ ID NOS: 1144
; SOFTWARE: ProtPatent version 1.0
; SEQ ID NO 451
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Arabidopsis Thaliana
; OTHER INFORMATION: Sequence located in DAD1. at 61-70 and may interact with
US-09-572-270A-451

Query Match 29.0%; Score 29; DB 10; Length 10;
Best Local Similarity 71.4%; Pred. No. 6.4e+02;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 12 AGVLTIC 18
    :|||:|
Db 1 SGVLSCI 7
    :|||:|
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```
RESULT 9
US-09-572-270A-455
; FILE REFERENCE: 240083.508C2
; CURRENT APPLICATION NUMBER: US/09572270A
; Publication No. US20030148368A1
; GENERAL INFORMATION:
; APPLICANT: Proteom Ltd
; TITLE OF INVENTION: Inter- complementary peptide listing
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/09/572,270A
; CURRENT FILING DATE: 2000-05-17
; NUMBER OF SEQ ID NOS: 1144
; SOFTWARE: ProtPatent version 1.0
; SEQ ID NO 455
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Arabidopsis Thaliana
; OTHER INFORMATION: Sequence located in DAD2. at 61-70 and may interact with
US-09-572-270A-455

Query Match          29.0%; Score 29; DB 10; Length 10;
Best Local Similarity 71.4%; Pred. No. 6.4e+02;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      12 AGVLTCT 18
Db      1 SGVLSCT 7

RESULT 10
US-09-767-460-25
; Sequence 25, Application US/09767460
; Patent No. US20020009756A1
; GENERAL INFORMATION:
; APPLICANT: Mandell, Arnold
; APPLICANT: Selz, Karen
; APPLICANT: Shlesinger, Michael
; TITLE OF INVENTION: Algorithmic Design of Peptides for Binding and/or Modulation of
; TITLE OF INVENTION: Functions of Receptors and/or Other Proteins
; FILE REFERENCE: 01561-0002-CFUS01
; CURRENT APPLICATION NUMBER: US/09/767,460
; CURRENT FILING DATE: 2001-01-23
; NUMBER OF SEQ ID NOS: 96
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 25
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-767-460-25

Query Match          29.0%; Score 29; DB 9; Length 15;
Best Local Similarity 60.0%; Pred. No. 1e+03;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY      3 SAAPOLTKNA 12
Db      5 SADPRHKNA 14

RESULT 11
US-10-463-190-73
; Sequence 73, Application US/10463190
; Publication No. US20040009535A1
; GENERAL INFORMATION:
; APPLICANT: Brunkow, Mary E.
; APPLICANT: Galas, David J.
; APPLICANT: Kovacevich, Brian
; APPLICANT: Mulligan, John T.
; APPLICANT: Paepfer, Bryan W.
; APPLICANT: Van Ness, Jeffrey
; APPLICANT: Winkler, David G.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
```

```
; TITLE OF INVENTION: INCREASING BONE MINERALIZATION
; FILE REFERENCE: 240083.508C2
; CURRENT APPLICATION NUMBER: US/10/463,190
; CURRENT FILING DATE: 2003-06-16
; NUMBER OF SEQ ID NOS: 143
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 73
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Rat SOST peptide fragment with additional cysteine
; OTHER INFORMATION: added
US-10-463-190-73

Query Match          29.0%; Score 29; DB 15; Length 17;
Best Local Similarity 43.8%; Pred. No. 1.2e+03;
Matches 7; Conservative 2; Mismatches 7; Indels 0; Gaps 0;

QY      2 GSAAPOLTKNAGVLTC 17
Db      2 GGAAPRSRKRLVASC 17

RESULT 12
US-10-029-386-29970
; Sequence 29970, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: EXPRESSION ANALYSIS TWO
; FILE REFERENCE: AEMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 29970
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO CHR22 119.0
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.55
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.45
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.51
US-10-029-386-29970

Query Match          29.0%; Score 29; DB 14; Length 18;
Best Local Similarity 50.0%; Pred. No. 1.2e+03;
Matches 6; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY      6 POLTKNAGVLTC 17
Db      1 PTGNKNASELQC 12

RESULT 13
US-09-847-539A-22
; Sequence 22, Application US/09847539A
; Patent No. US20020061306A1
; GENERAL INFORMATION:
; APPLICANT: Bjorck, Lars H
; APPLICANT: Rasmussen, Magnus
; TITLE OF INVENTION: STREPTOCOCCAL ALPHA ZM BINDING PROTEIN
; FILE REFERENCE: 100084.415US / N.75312B
; CURRENT APPLICATION NUMBER: US/09/847,539A
; CURRENT FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 22
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Job time : 62.1429 secs

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; LENGTH: 19
; TYPE: PRT
; ORGANISM: Streptococcus pyogenes
US-09-847-539A-22

Query Match      29.0%; Score 29; DB 9; Length 19;
Best Local Similarity 45.5%; Pred. No. 1.3e+03;
Matches 5; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

Qy      6 POLTKNAGVLT 16
Db      7 PRIIPNGGTLT 17

RESULT 14
US-09-813-333-78
; Sequence 78, Application US/0981333
; Patent No. US20020119160A1
; GENERAL INFORMATION:
; APPLICANT: DeGroot, Anne S
; TITLE OF INVENTION: Human T Cell Response to MHC-Binding Motif Clusters
; FILE REFERENCE: 17999-004 US
; CURRENT APPLICATION NUMBER: US/09/813,333
; CURRENT FILING DATE: 2001-03-20
; PRIOR APPLICATION NUMBER: 60/190,834
; PRIOR FILING DATE: 2000-03-20
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 78
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-09-813-333-78

Query Match      29.0%; Score 29; DB 9; Length 20;
Best Local Similarity 42.9%; Pred. No. 1.4e+03;
Matches 6; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

Qy      7 QLTKNAGVLTCLIS 20
Db      3 ELKTNSSLLTSILT 16

RESULT 15
US-10-044-703-78
; Sequence 78, Application US/10044703
; Publication No. US20020192233A1
; GENERAL INFORMATION:
; APPLICANT: DeGroot, Anne S
; TITLE OF INVENTION: Human T Cell Response to MHC-Binding Motif Clusters
; FILE REFERENCE: 17999-004 US
; CURRENT APPLICATION NUMBER: US/10/044,703
; CURRENT FILING DATE: 2002-05-20
; PRIOR APPLICATION NUMBER: 60/190,834
; PRIOR FILING DATE: 2000-03-20
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 78
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-10-044-703-78

Query Match      29.0%; Score 29; DB 13; Length 20;
Best Local Similarity 42.9%; Pred. No. 1.4e+03;
Matches 6; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

Qy      7 QLTKNAGVLTCLIS 20
Db      3 ELKTNSSLLTSILT 16
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Search completed: February 1, 2005, 08:27:18

This Page Blank (uspio)

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: February 1, 2005, 07:38:44 ; Search time 18.4286 Seconds  
(without alignments)  
71.973 Million cell updates/sec

Title: US-09-202-464-36

Perfect score: 100

Sequence: 1 NGSAPOLTKNAGVLTCLLS 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA.\*

1: /cgn2\_6/ptodata/1/iaa/5A\_COMB.pep.\*

2: /cgn2\_6/ptodata/1/iaa/5B\_COMB.pep.\*

3: /cgn2\_6/ptodata/1/iaa/6A\_COMB.pep.\*

4: /cgn2\_6/ptodata/1/iaa/6B\_COMB.pep.\*

5: /cgn2\_6/ptodata/1/iaa/PCTUS\_COMB.pep.\*

6: /cgn2\_6/ptodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	87	87.0	20	3	US-08-467-023-59
2	70	70.0	15	4	US-09-142-524D-82
3	67	67.0	15	4	US-09-142-524D-81
4	54	54.0	15	4	US-09-142-524D-83
5	44	44.0	13	3	US-08-467-023-60
6	43	43.0	15	4	US-09-142-524D-80
7	43	43.0	16	3	US-08-467-023-19
8	43	43.0	20	3	US-08-467-023-58
9	42	42.0	16	2	US-08-773-008-4
10	30	30.0	14	1	US-07-961-724C-5
11	30	30.0	17	3	US-08-160-604-4
12	29	29.0	15	4	US-09-490-702B-25
13	28.5	28.5	20	3	US-08-837-226-12
14	28.5	28.5	20	4	US-09-537-226-18
15	28	28.0	9	2	US-08-340-283-101
16	28	28.0	10	4	US-10-365-908-136
17	28	28.0	14	1	US-08-057-167-15
18	28	28.0	14	5	PCT-US93-05412-15
19	28	28.0	16	4	US-09-461-325-431
20	28	28.0	16	4	US-10-012-542-431
21	28	28.0	16	4	US-10-115-123-431
22	28	28.0	18	3	US-08-014-012C-2
23	28	28.0	19	2	US-08-522-369B-10
24	28	28.0	20	3	US-08-234-523-10
25	28	28.0	20	3	US-08-899-279-6
26	28	28.0	20	4	US-08-899-279-6
27	28	28.0	20	4	US-09-178-093B-6

Sequence 6, Appli  
Sequence 23, Appli  
Sequence 23, Appli  
Sequence 35, Appli  
Sequence 35, Appli  
Sequence 9, Appli  
Sequence 4, Appli  
Sequence 4, Appli  
Sequence 4, Appli  
Sequence 4, Appli  
Sequence 4, Appli  
Sequence 16, Appli  
Sequence 16, Appli  
Sequence 14, Appli  
Sequence 94, Appli  
Sequence 1, Appli  
Sequence 64, Appli  
Sequence 71, Appli

28 28.0 20 4 US-10-047-403-6  
29 27.0 13 1 US-08-089-994A-23  
30 27.0 13 5 PCT-US94-07605-23  
31 27.0 14 3 US-09-120-365-35  
32 27.0 14 3 US-09-515-039-35  
33 27.0 14 3 US-08-990-888-9  
34 27.0 16 2 US-08-312-202B-4  
35 27.0 16 3 US-09-079-347-4  
36 27.0 16 3 US-09-075-725-4  
37 27.0 16 3 US-08-809-646-4  
38 27.0 16 5 PCT-US95-12433-4  
39 27.0 18 3 US-08-812-121-16  
40 27.0 18 3 US-09-403-672-16  
41 26.5 26.5 18 1 US-08-159-340A-14  
42 26.5 26.5 19 4 US-09-441-502B-94  
43 26 26.0 8 2 US-08-666-473-1  
44 26 26.0 9 2 US-08-340-283-64  
45 26 26.0 9 2 US-08-340-283-71

#### ALIGNMENTS

#### RESULT 1

US-08-467-023-59  
; Sequence 59, Application US/08467023  
; Patent No. 6090386  
; GENERAL INFORMATION:  
; APPLICANT: Griffith, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bond, Julian F.;  
; APPLICANT: Garman, Richard D;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Sin-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Exley, Mark A.;  
; APPLICANT: Powers, Steven P.  
; TITLE OF INVENTION: Allergenic Proteins And Peptides From  
; TITLE OF INVENTION: Japanese Cedar Pollen  
; NUMBER OF SEQUENCES: 261  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
; STREET: 610 Lincoln St  
; CITY: Waltham  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02154  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/467,023  
; FILING DATE: June 6, 1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/350,225  
; FILING DATE: December 6, 1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jane E. Remillard  
; REGISTRATION NUMBER: 38,872  
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941  
; INFORMATION FOR SEQ ID NO: 59:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal

US-08-467-023-59

Query Match 87.0%; Score 87; DB 3; Length 20;  
Best Local Similarity 85.0%; Pred. No. 2.2e-08;  
Matches 17; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
QY 1 NGSAAAPQLTKNAGVLTCLS 20  
||:|||||  
Db 1 NGNATPQLTKNAGVLTCLS 20

## RESULT 2

US-09-142-524D-82  
; Sequence 82, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 82  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 68  
US-09-142-524D-82

Query Match 70.0%; Score 70; DB 4; Length 15;  
Best Local Similarity 93.3%; Pred. No. 1.4e-05;  
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 6 PQLTKNAGVLTCLS 20  
|||||  
Db 1 PQLTKNAGVLTCLS 15

## RESULT 3

US-09-142-524D-81  
; Sequence 81, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 81  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 67  
US-09-142-524D-81

Query Match 67.0%; Score 67; DB 4; Length 15;  
Best Local Similarity 86.7%; Pred. No. 4.5e-05;  
Matches 13; Conservative 1; Mismatches 1; Indels 0; Gaps 0;  
QY 1 NGSAAAPQLTKNAGVL 15  
||:|||||  
Db 1 NGNATPQLTKNAGVL 15

## RESULT 4

US-09-142-524D-83  
; Sequence 83, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 83  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 69  
US-09-142-524D-83

Query Match 54.0%; Score 54; DB 4; Length 15;  
Best Local Similarity 91.7%; Pred. No. 0.008;  
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 9 TKNAGVLTCLS 20  
|||||  
Db 1 TKNAGVLTCLS 12

## RESULT 5

US-08-467-023-60  
; Sequence 60, Application US/08467023  
; Patent No. 6090386  
; GENERAL INFORMATION:  
; APPLICANT: Giffeth, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bond, Julian F.;  
; APPLICANT: Garman, Richard D;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Siu-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Exley, Mark A.;  
; APPLICANT: Powers, Steven P.  
; TITLE OF INVENTION: Allergenic Proteins And Peptides From  
; NUMBER OF SEQUENCES: 261  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
; STREET: 610 Lincoln St  
; CITY: Waltham  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02154





;; APPLICANT: Kuo, Mei-Chang;  
;; APPLICANT: Yeung, Siu-mei H.;  
;; APPLICANT: Brauer, Andrew;  
;; APPLICANT: Exley, Mark A.;  
;; APPLICANT: Powers, Steven P.  
;; TITLE OF INVENTION: Allergenic Proteins And Peptides From  
;; TITLE OF INVENTION: Japanese Cedar Pollen  
;; NUMBER OF SEQUENCES: 261  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
;; STREET: 610 Lincoln St  
;; CITY: Waltham  
;; STATE: MA  
;; COUNTRY: USA  
;; ZIP: 02154  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.25  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/467,023  
;; FILING DATE: June 6, 1995  
;; CLASSIFICATION: 424  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 08/350,225  
;; FILING DATE: December 6, 1994  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Jane E. Remillard  
;; REGISTRATION NUMBER: 38,872  
;; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (617) 227-7400  
;; TELEFAX: (617) 227-5941  
;; INFORMATION FOR SEQ ID NO: 58:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 20 amino acids  
;; TYPE: amino acid  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: peptide  
;; FRAGMENT TYPE: internal  
US-08-467-023-58

Query Match 43.0%; Score 43; DB 3; Length 20;  
Best Local Similarity 80.0%; Pred. No. 0.91; Indels 1; Mismatches 1; Gaps 0;  
Matches 8; Conservative 1; Mismatches 1; Indels 1; Gaps 0;

Qy 1 NGSAAQLTK 10  
||:|||||  
Db 11 NGNATPQLTK 20

RESULT 9  
US-08-773-008-4  
; Sequence 4, Application US/08773008  
; Patent No. 5874401  
; GENERAL INFORMATION:  
; APPLICANT: SANOU, Osamu  
; APPLICANT: HINO, Katsuhiko  
; APPLICANT: KURIMOTO, Masashi  
; TITLE OF INVENTION: PROTEIN, PROCESS TO PRODUCE THE SAME,  
; TITLE OF INVENTION: AND USES THEREOF  
; NUMBER OF SEQUENCES: 5  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BROWDY AND NEIMARK  
; STREET: 419 Seventh Street, N.W., Suite 300  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20004  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible

;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.30  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/773,008  
;; FILING DATE: 24-DEC-1996  
;; CLASSIFICATION: 530  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US 08/354,815  
;; FILING DATE: 08-DEC-1994  
;; APPLICATION NUMBER: JP 347017  
;; FILING DATE: 27-DEC-1993  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: YUN, Allen C.  
;; REGISTRATION NUMBER: 37,971  
;; REFERENCE/DOCKET NUMBER: SANOU-1  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: 202-628-5197  
;; TELEFAX: 202-737-3528  
;; TELEX: 248633  
;; INFORMATION FOR SEQ ID NO: 4:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 16 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: peptide  
US-08-773-008-4

Query Match 42.0%; Score 42; DB 2; Length 16;  
Best Local Similarity 80.0%; Pred. No. 1;  
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 NGSAAQLTK 10  
||:|||||  
Db 7 NGXATPQLTK 16

RESULT 10  
US-07-961-724C-5  
; Sequence 5, Application US/07961724C  
; Patent No. 5541078  
; GENERAL INFORMATION:  
; APPLICANT: FACON, BRIGITTE  
; APPLICANT: CHAMEKH, MUSTAPHA  
; APPLICANT: DISSOUS, COLETTE  
; APPLICANT: CAPRON, ANDRE  
; APPLICANT: TARTAR, ANDRE  
; APPLICANT: GRAS-MASSE, HELENE  
; TITLE OF INVENTION: IMMUNOGENIC PEPTIDE SEQUENCE OF  
; TITLE OF INVENTION: ECHINOCOCCUS GRANULOSUS, DNA SEQUENCE CODING FOR THIS  
; TITLE OF INVENTION: PEPTIDE SEQUENCE AND DIAGNOSTIC AND THERAPEUTIC  
; TITLE OF INVENTION: APPLICATIONS  
; NUMBER OF SEQUENCES: 17  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
; ADDRESSEE: P.C.  
; STREET: 1755 S. Jefferson Davis Highway, Suite 400  
; CITY: Arlington  
; STATE: Virginia  
; COUNTRY: U.S.A.  
; ZIP: 22202  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/961,724C  
; FILING DATE: 10-MAR-1993  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: FR 90/08900  
; FILING DATE: 12-JUL-1990

ATTORNEY/AGENT INFORMATION:  
NAME: Oblon, No. 5541078man F.  
REGISTRATION NUMBER: 24,618  
REFERENCE/DOCKET NUMBER: 660-065-0X PCT  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 413-3000  
TELEFAX: (703) 413-2220  
TELEX: 248855 OPAT UR  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 14 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: internal  
US-07-961-724C-5

Query Match 30.0%; Score 30; DB 1; Length 14;  
Best Local Similarity 85.7%; Pred. No. 1.1e+02;  
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 4 AAPOLTK 10  
Db 8 AAPOLSK 14

RESULT 11  
US-08-160-604-4  
Sequence 4, Application US/08160604  
Patent No. 6232522  
GENERAL INFORMATION:  
APPLICANT: Harley, John  
APPLICANT: James, Judith A.  
APPLICANT: Scofield, R. H.  
TITLE OF INVENTION: PEPTIDE INDUCTION OF AUTOIMMUNITY AND CLINICAL SYMPTOMATOLOGY  
NUMBER OF SEQUENCES: 127  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Patrea L. Pabst  
STREET: 1100 Peachtree Street, Suite 2800  
CITY: Atlanta  
STATE: Georgia  
COUNTRY: USA  
ZIP: 30309-4530  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/160,604  
FILING DATE: 30-NOV-1993  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/867,819  
FILING DATE: 13-APR-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/648,205  
FILING DATE: 31-JAN-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/472,947  
FILING DATE: 31-JAN-1990  
ATTORNEY/AGENT INFORMATION:  
NAME: Pabst, Patrea L.  
REGISTRATION NUMBER: 31,284  
REFERENCE/DOCKET NUMBER: OMRF114CIP(3)  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (404)-815-6508  
TELEFAX: (404)-815-6555  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:

LENGTH: 17 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
US-08-160-604-4

Query Match 30.0%; Score 30; DB 3; Length 17;  
Best Local Similarity 50.0%; Pred. No. 1.3e+02;  
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 8 LTKNAGVLT 17  
Db 8 LLRLGKWT 17

RESULT 12  
US-09-490-702B-25  
Sequence 25, Application US/09490702B  
Patent No. 6560542  
GENERAL INFORMATION:  
APPLICANT: Mandell, Arnold  
APPLICANT: Selz, Karen  
APPLICANT: Shlesinger, Michael  
TITLE OF INVENTION: Algorithmic Design of Peptides for Binding and/or Modulation of  
TITLE OF INVENTION: Functions of Receptors and/or Other Proteins  
FILE REFERENCE: 01561-0002-00US00  
CURRENT APPLICATION NUMBER: US/09/490,702B  
CURRENT FILING DATE: 2000-01-24  
NUMBER OF SEQ ID NOS: 96  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 25  
LENGTH: 15  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
NAME/KEY: misc feature  
OTHER INFORMATION: synthetic  
US-09-490-702B-25

Query Match 29.0%; Score 29; DB 4; Length 15;  
Best Local Similarity 60.0%; Pred. No. 1.7e+02;  
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 3 SAAPOLTKNA 12  
Db 5 SADPRIHNA 14

RESULT 13  
US-08-837-226-12  
Sequence 12, Application US/08837226  
Patent No. 6043216  
GENERAL INFORMATION:  
APPLICANT: Toback, F. Gary  
APPLICANT: Lieske, John C.  
TITLE OF INVENTION: METHODS AND COMPOSITION FOR DETECTING  
TITLE OF INVENTION: AND TREATING KIDNEY DISEASES ASSOCIATED WITH ADHESION OF  
TITLE OF INVENTION: CRYSTALS TO KIDNEY CELLS  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BRINKS, HOFER, GILSON & LIONE  
STREET: NBC Tower - Suite 3600, 455 N. Cityfront  
STREET: Plaza Drive  
CITY: Chicago  
STATE: Illinois  
COUNTRY: USA  
ZIP: 60611-5599  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA: US/08/837,226  
APPLICATION NUMBER: US/08/837,226  
FILING DATE: 08-APR-1997  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/389,005  
FILING DATE: 15-FEB-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Martin, Alice O.  
REGISTRATION NUMBER: 35,601  
REFERENCE/DOCKET NUMBER: 7814/24  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 312-321-4200  
TELEFAX: 312-321-4299  
INFORMATION FOR SEQ ID NO: 12:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 20 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-837-226-12

Query Match 28.5%; Score 28.5; DB 3; Length 20;  
Best Local Similarity 53.3%; Pred. No. 3e+02; 4; Indels 1; Gaps 1;  
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

QY 2 GSAAPQ-LTKNAGVL 15  
| : | | : | | |  
DB 6 GATLPQPLYQTAGVL 20

RESULT 14  
US-09-537-226-18  
Sequence 18, Application US/09537226  
Patent No. 6482934  
GENERAL INFORMATION:  
APPLICANT: TOBACK, F. GARY  
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DETECTING AND TREATING  
TITLE OF INVENTION: KIDNEY DISEASES ASSOCIATED WITH ADHESION OF CRYSTALS TO  
TITLE OF INVENTION: KIDNEY CELLS  
FILE REFERENCE: 21459/90606  
CURRENT APPLICATION NUMBER: US/09/537,226  
CURRENT FILING DATE: 2000-03-28  
PRIOR FILING DATE: 1995-02-15  
NUMBER OF SEQ ID NOS: 23  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 18  
LENGTH: 20  
TYPE: PRT  
ORGANISM: Unknown Organism  
FEATURE:  
OTHER INFORMATION: Description of Unknown Organism: Comparison  
US-09-537-226-18

Query Match 28.5%; Score 28.5; DB 4; Length 20;  
Best Local Similarity 53.3%; Pred. No. 3e+02; 4; Indels 1; Gaps 1;  
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

QY 2 GSAAPQ-LTKNAGVL 15  
| : | | : | | |  
DB 6 GATLPQPLYQTAGVL 20

RESULT 15  
US-08-340-283-101  
Sequence 101, Application US/08340283

Patent No. 5861318  
GENERAL INFORMATION:  
APPLICANT: Elhammer, Ake P.  
TITLE OF INVENTION: A SCINTILLATION PROXIMITY ASSAY FOR  
TITLE OF INVENTION: N-ACETYL GALACTOSAMINYLTRANSFERASE ACTIVITY  
NUMBER OF SEQUENCES: 205  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pharmacia and Upjohn, Inc., Intellect. Prop. Law  
ADDRESSEE: (1920-32-1)  
STREET: 301 Henrietta Street  
CITY: Kalamazoo  
STATE: Michigan  
COUNTRY: U.S.A.  
ZIP: 49001  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/340,283  
FILING DATE:  
CLASSIFICATION: 436  
ATTORNEY/AGENT INFORMATION:  
NAME: Wootton, Thomas A.  
REGISTRATION NUMBER: 35,004  
REFERENCE/DOCKET NUMBER: 4828  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (616) 385-7914  
TELEFAX: (616) 385-6897  
TELEX: 224401  
INFORMATION FOR SEQ ID NO: 101:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 9 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
US-08-340-283-101

Query Match 28.0%; Score 28; DB 2; Length 9;  
Best Local Similarity 55.6%; Pred. No. 3.8e+05;  
Matches 5; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 5 APQTKNAG 13  
| : | : | : |  
DB 1 APATTENTG 9

Search completed: February 1, 2005, 07:52:29  
Job time : 19.4286 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: February 1, 2005, 07:47:50 ; Search time 61.1429 Seconds  
(without alignments)  
118.179 Million cell updates/sec

Title: US-09-202-464-89

Perfect score: 115

Sequence: 1 FVNNLVFRGCPQHPFKV 20

Scoring table: BLOSUM62

Gapex 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

- 1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US05\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*
- 6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*
- 7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*
- 8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*
- 9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*
- 13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/1/pubpaa/US10D\_PUBCOMB.pep.\*
- 17: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/1/pubpaa/US11\_NEW\_PUB.pep.\*
- 19: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*
- 20: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	67	58.3	15	14	US-10-354-240-94
2	64	55.7	15	14	US-10-354-240-93
3	56	48.7	15	14	US-10-354-240-95
4	41	35.7	15	9	US-09-829-549A-40
5	38	33.0	20	9	US-09-864-761-48864
6	38	33.0	20	16	US-10-779-890-2
7	37	32.2	12	15	US-10-688-100-12
8	37	32.2	16	14	US-10-304-559-6
9	36	31.3	12	16	US-10-656-350-12
10	36	31.3	20	16	US-10-779-890-1
11	35	30.4	8	14	US-10-304-443-104
12	35	30.4	8	15	US-10-362-527-310
13	35	30.4	8	16	US-10-415-389-17

14	35	30.4	9	14	US-10-325-375A-10
15	35	30.4	9	14	US-10-325-375A-11
16	35	30.4	9	14	US-10-325-375A-12
17	35	30.4	12	14	US-10-322-210-16
18	35	30.4	12	14	US-10-304-443-16
19	35	30.4	12	15	US-10-362-527-75
20	34	29.6	16	14	US-10-161-791-203
21	33	28.7	14	9	US-09-741-171-5
22	33	28.7	20	17	US-10-474-955-23
23	32	27.8	20	9	US-09-731-221-55
24	32	27.8	20	9	US-09-731-221-56
25	32	27.8	20	9	US-09-731-221-57
26	32	27.8	20	14	US-10-245-871-55
27	32	27.8	20	15	US-10-253-286-55
28	31	27.0	14	17	US-10-865-478-868
29	31	27.0	15	16	US-10-203-969A-116
30	30	26.1	9	10	US-09-901-996A-3
31	30	26.1	9	16	US-10-661-207-3
32	30	26.1	10	8	US-08-344-824-192
33	30	26.1	10	9	US-09-884-767A-211
34	30	26.1	11	9	US-09-791-378-579
35	30	26.1	11	11	US-09-791-377-579
36	30	26.1	14	9	US-09-126-559-10
37	30	26.1	14	14	US-10-285-394-326
38	30	26.1	15	14	US-10-354-240-92
39	30	26.1	15	14	US-10-371-540-3
40	30	26.1	17	14	US-10-161-791-323
41	30	26.1	17	14	US-10-396-964-10
42	30	26.1	17	14	US-10-396-964-11
43	30	26.1	19	10	US-09-963-339-10
44	30	26.1	19	14	US-10-145-586-59
45	30	26.1	20	9	US-09-735-705-250

#### ALIGNMENTS

#### RESULT 1

US-10-354-240-94  
; Sequence 94, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 94  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cry72 peptide, Figure 2, Row 11  
US-10-354-240-94

Query Match 58.3%; Score 67; DB 14; Length 15;  
Best Local Similarity 73.3%; Pred. No. 0.0027;  
Matches 11; Conservative 0; Mismatches 4; Indels 0; Gaps 0;  
Qy 5 NLVFRGCPQHPFK 19  
||| ||||| |||

Db 1 NLFENGPCQPHFTFK 15

## RESULT 2

US-10-354-240-93

; Sequence 93, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akino

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 93

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 10

US-10-354-240-93

Query Match

Best Local Similarity 55.7%; Score 64; DB 14; Length 15;

Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 FFVNNLVFRGPCP 14

Db 2 FVNNLVFRGPCP 15

## RESULT 3

US-10-354-240-95

; Sequence 95, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akino

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 95

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 12

US-10-354-240-95

Query Match

48.7%; Score 56; DB 14; Length 15;

Best Local Similarity 81.8%; Pred. No. 0.13;

Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 10 GPCQPHLPFKV 20

Db 1 GPCQPHFTFKV 11

## RESULT 4

US-09-829-549A-40

; Sequence 40, Application US/09829549A

; Patent No. US20020052484A1

; GENERAL INFORMATION:

; APPLICANT: The Curators of the University of Missouri

; TITLE OF INVENTION: PHAGE DISPLAY SELECTION OF ANTI FUNGAL PEPTIDES

; FILE REFERENCE: UMO 1521.1

; CURRENT APPLICATION NUMBER: US/09/829,549A

; CURRENT FILING DATE: 2001-04-10

; PRIOR APPLICATION NUMBER: US 60/195,785

; PRIOR FILING DATE: 2000-04-10

; NUMBER OF SEQ ID NOS: 48

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 40

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; NAME/KEY: DOMAIN

; LOCATION: (1)..(15)

; OTHER INFORMATION: Random peptide insert

US-09-829-549A-40

Query Match

Best Local Similarity 35.7%; Score 41; DB 9; Length 15;

Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 12 CQPHLPF 18

Db 4 CQPHLPF 10

## RESULT 5

US-09-864-761-48864

; Sequence 48864, Application US/09864761

; Patent No. US20020048763A1

; GENERAL INFORMATION:

; APPLICANT: Penn, Sharron G.

; APPLICANT: Rank, David R.

; APPLICANT: Hanzel, David K.

; APPLICANT: Chen, Wensheng

; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

; FILE REFERENCE: Aecmca-X-1

; CURRENT APPLICATION NUMBER: US/09/864,761

; CURRENT FILING DATE: 2001-05-23

; PRIOR APPLICATION NUMBER: US 60/180,312

; PRIOR FILING DATE: 2000-02-04

; PRIOR APPLICATION NUMBER: US 60/207,456

; PRIOR FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: US 09/632,366

; PRIOR FILING DATE: 2000-08-03

; PRIOR APPLICATION NUMBER: GB 24263.6

; PRIOR FILING DATE: 2000-10-04

; PRIOR APPLICATION NUMBER: US 60/236,359

; PRIOR FILING DATE: 2000-09-27

; PRIOR APPLICATION NUMBER: PCT/US01/00666

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00667

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00664

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00669

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 09/608,408  
; PRIOR FILING DATE: 2000-06-30  
; PRIOR APPLICATION NUMBER: US 09/774,203  
; PRIOR FILING DATE: 2001-01-29  
; NUMBER OF SEQ ID NOS: 49117  
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1  
; SEQ ID NO 48964  
; LENGTH: 20  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: MAP TO AL158148.1  
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.1  
; OTHER INFORMATION: EST\_HUMAN HIT: AA761524.1, EVALUATE 1.00e-05  
US-09-864-761-48864

Query Match 33.0%; Score 38; DB 9; Length 20;  
Best Local Similarity 77.8%; Pred. No. 99;  
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 9 RGCPQHLP 17  
Db 12 RRPQHLP 20

RESULT 6  
US-10-779-890-2  
; Sequence 2, Application US/10779890  
; Publication No. US20040142871A1  
; GENERAL INFORMATION:  
; APPLICANT: Shaughnessy, S.  
; TITLE OF INVENTION: OSTEOPOROSIS TREATMENT  
; FILE REFERENCE: MDSP-P04-180  
; CURRENT APPLICATION NUMBER: US/10/779,890  
; PRIOR FILING DATE: 2004-02-17  
; PRIOR APPLICATION NUMBER: PCT/CA99/00516  
; PRIOR FILING DATE: 1999-05-19  
; PRIOR APPLICATION NUMBER: US 09/715,838  
; PRIOR FILING DATE: 2000-11-17  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2  
; LENGTH: 20  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-779-890-2

Query Match 33.0%; Score 38; DB 16; Length 20;  
Best Local Similarity 66.7%; Pred. No. 99;  
Matches 6; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 11 PCQPFLPK 19  
Db 7 PCQPFLK 15

RESULT 7  
US-10-688-100-12

; Sequence 12, Application US/10688100  
; Publication No. US20040086512A1  
; GENERAL INFORMATION:  
; APPLICANT: ZHANG, Hui  
; APPLICANT: PONERANZ, Roger  
; APPLICANT: YANG, Bin  
; TITLE OF INVENTION: Multimerization of HIV-1 VIF Protein as  
; FILE REFERENCE: 08321-0082 D12  
; CURRENT APPLICATION NUMBER: US/10/688,100  
; CURRENT FILING DATE: 2003-10-17  
; PRIOR APPLICATION NUMBER: US 60/282,270  
; PRIOR FILING DATE: 2001-04-06  
; PRIOR APPLICATION NUMBER: US 10/118,575  
; PRIOR FILING DATE: 2002-04-08  
; NUMBER OF SEQ ID NOS: 26  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 12  
; LENGTH: 12  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic peptide containing PXP motif  
US-10-688-100-12

Query Match 32.2%; Score 37; DB 15; Length 12;  
Best Local Similarity 75.0%; Pred. No. 85;  
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 13 QPHLPFKV 20  
Db 2 EPHLPFV 9

RESULT 8  
US-10-304-559-6  
; Sequence 6, Application US/10304559  
; Publication No. US20030143648A1  
; GENERAL INFORMATION:  
; APPLICANT: THE SCRIPPS RESEARCH INSTITUTE  
; APPLICANT: CRAVATT, Benjamin F.  
; APPLICANT: JESSANI, Nadim  
; APPLICANT: LIU, Yongsheng  
; TITLE OF INVENTION: ENZYME ACTIVITY PROFILES  
; FILE REFERENCE: SCRIPI480-1  
; CURRENT APPLICATION NUMBER: US/10/304,559  
; CURRENT FILING DATE: 2003-03-14  
; PRIOR APPLICATION NUMBER: US 60/334,426  
; PRIOR FILING DATE: 2001-11-29  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 6  
; LENGTH: 16  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-304-559-6

Query Match 32.2%; Score 37; DB 14; Length 16;  
Best Local Similarity 53.8%; Pred. No. 1.1e+02;  
Matches 7; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Qy 7 VFRGCPQHLPFK 19  
Db 2 VFRGCPKPEPLK 14

RESULT 9  
US-10-656-350-12  
; Sequence 12, Application US/10656350  
; Publication No. US20040180327A1  
; GENERAL INFORMATION:  
; APPLICANT: Ladner, Robert C.  
; APPLICANT: Hogan, Shannon

```
; APPLICANT: Rookey, Kristin
; TITLE OF INVENTION: DISPLAY LIBRARY PROCESS
; FILE REFERENCE: 10280-053001
; CURRENT APPLICATION NUMBER: US/10/656,350
; CURRENT FILING DATE: 2003-09-05
; PRIOR APPLICATION NUMBER: US 60/408,624
; PRIOR FILING DATE: 2002-09-05
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetically generated peptide
; US-10-656-350-12

Query Match      31.3%; Score 36; DB 16; Length 12;
Best Local Similarity 62.5%; Pred. No. 1.2e+02;
Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      10 GPCPHLP 17
      ||| | |
Db      1 GPCHPQP 8

RESULT 10
US-10-779-890-1
; Sequence 1, Application US/10779890
; Publication No. US20040142871A1
; GENERAL INFORMATION:
; APPLICANT: Shaughnessy, S.
; APPLICANT: Austin, R.
; TITLE OF INVENTION: OSTEOPOROSIS TREATMENT
; FILE REFERENCE: MDSP-P04-180
; CURRENT APPLICATION NUMBER: US/10/779,890
; CURRENT FILING DATE: 2004-02-17
; PRIOR APPLICATION NUMBER: PCT/CA99/00516
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: US 09/715,838
; PRIOR FILING DATE: 2000-11-17
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-779-890-1

Query Match      31.3%; Score 36; DB 16; Length 20;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 PCQPH 15
      ||| | |
Db      14 PCQPH 18

RESULT 11
US-10-304-443-104
; Sequence 104, Application US/10304443
; Publication No. US20030170229A1
; GENERAL INFORMATION:
; APPLICANT: Smithkline Beecham Biologicals s.a.
; APPLICANT: Peptide Therapeutics Ltd.
; TITLE OF INVENTION: Vaccine
; FILE REFERENCE: B45173CIP
; CURRENT APPLICATION NUMBER: US/10/304,443
; CURRENT FILING DATE: 2002-11-26
; PRIOR APPLICATION NUMBER: US/09/698,906A
; PRIOR FILING DATE: 2001-02-20
; NUMBER OF SEQ ID NOS: 121
; SOFTWARE: FastSEQ for Windows Version 3.0
```

```
; SEQ ID NO 104
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Human peptide sequence
; US-10-304-443-104

Query Match      30.4%; Score 35; DB 14; Length 8;
Best Local Similarity 83.3%; Pred. No. 1.5e+06;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      12 CQPHLP 17
      ||| | |
Db      1 CHPHLP 6

RESULT 12
US-10-362-527-310
; Sequence 310, Application US/10362527
; Publication No. US20040030106A1
; GENERAL INFORMATION:
; APPLICANT: Friede, Martin
; APPLICANT: Mason, Sean
; APPLICANT: Turnell, William Gordon
; APPLICANT: Vinals Y De Bassols, Carlota
; TITLE OF INVENTION: Vaccine Immunogens Comprising Disulphide Bridged Cyclised Peptide
; TITLE OF INVENTION: and Use Thereof in the Treatment of Allergies
; FILE REFERENCE: B45236
; CURRENT APPLICATION NUMBER: US/10/362,527
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: PCT/EP01/09576
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: GB 0020717.5
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 328
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 310
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial variant of Homo sapiens IgE peptide
; US-10-362-527-310

Query Match      30.4%; Score 35; DB 15; Length 8;
Best Local Similarity 83.3%; Pred. No. 1.5e+06;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      12 CQPHLP 17
      ||| | |
Db      1 CHPHLP 6

RESULT 13
US-10-415-389-17
; Sequence 17, Application US/10415389
; Publication No. US20040115220A1
; GENERAL INFORMATION:
; APPLICANT: De Basols, Carlota Vinals Y
; TITLE OF INVENTION: Vaccine
; FILE REFERENCE: B45251
; CURRENT APPLICATION NUMBER: US/10/415,389
; CURRENT FILING DATE: 2003-04-25
; PRIOR APPLICATION NUMBER: PCT/EP01/12932
; PRIOR FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: GB 0026334.3
; PRIOR FILING DATE: 2000-10-27
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 17
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
```



; OTHER INFORMATION: Human IgE peptide mimotope  
US-10-415-389-17

Query Match 30.4%; Score 35; DB 16; Length 8;  
Best Local Similarity 83.3%; Pred. No. 1.5e+06;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 12 CQPHLP 17  
| | | | |  
Db 1 CHPHLP 6

## RESULT 14

US-10-325-375A-10  
; Sequence 10, Application US/10325375A  
; Publication No. US20030229021A1  
; GENERAL INFORMATION:  
; APPLICANT: IDEXX Laboratories, Inc.  
; APPLICANT: Krah, Eugene R.  
; APPLICANT: Lawton, Robert  
; TITLE OF INVENTION: Methods and Compositions for Inhibiting Binding of IgE to a High  
; FILE REFERENCE: MBHB-01-672-E  
; CURRENT APPLICATION NUMBER: US/10/325,375A  
; CURRENT FILING DATE: 2002-12-20  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 10  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: Isolated polypeptide that binds to IgE.  
; FEATURE:  
; NAME/KEY: misc.feature  
; LOCATION: (8)..(8)  
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
US-10-325-375A-10

Query Match 30.4%; Score 35; DB 14; Length 9;  
Best Local Similarity 83.3%; Pred. No. 1.5e+06;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 12 CQPHLP 17  
| | | | |  
Db 1 CHPHLP 6

## RESULT 15

US-10-325-375A-11  
; Sequence 11, Application US/10325375A  
; Publication No. US20030229021A1  
; GENERAL INFORMATION:  
; APPLICANT: IDEXX Laboratories, Inc.  
; APPLICANT: Krah, Eugene R.  
; APPLICANT: Lawton, Robert  
; TITLE OF INVENTION: Methods and Compositions for Inhibiting Binding of IgE to a High  
; FILE REFERENCE: MBHB-01-672-E  
; CURRENT APPLICATION NUMBER: US/10/325,375A  
; CURRENT FILING DATE: 2002-12-20  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 11  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: Isolated polypeptide that binds to IgE.  
US-10-325-375A-11

Query Match 30.4%; Score 35; DB 14; Length 9;  
Best Local Similarity 83.3%; Pred. No. 1.5e+06;

Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 12 CQPHLP 17  
| | | | |  
Db 1 CHPHLP 6

Search completed: February 1, 2005, 08:27:19  
Job time : 62.1429 secs



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: February 1, 2005, 07:38:44 ; Search time 18.4286 Seconds  
(without alignments)  
71.973 Million cell updates/sec

Title: US-09-202-464-89

Perfect score: 115

Sequence: 1 FFVNNLVFRGCPQHPHFVKV 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA.\*  
1: /cgn2\_6/ptodata/1/iaa/5A\_COMB.pep.\*  
2: /cgn2\_6/ptodata/1/iaa/5B\_COMB.pep.\*  
3: /cgn2\_6/ptodata/1/iaa/6A\_COMB.pep.\*  
4: /cgn2\_6/ptodata/1/iaa/6B\_COMB.pep.\*  
5: /cgn2\_6/ptodata/1/iaa/PCTUS\_COMB.pep.\*  
6: /cgn2\_6/ptodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	67	58.3	15	4	US-09-142-524D-94
2	64	55.7	15	4	US-09-142-524D-93
3	56	48.7	15	4	US-09-142-524D-95
4	37	32.2	12	4	US-10-118-575A-12
5	35	30.4	9	4	US-09-281-760E-18
6	35	30.4	9	4	US-09-281-760E-25
7	35	30.4	14	4	US-09-281-760E-10
8	35	30.4	17	3	US-08-987-743-11
9	34	29.6	16	3	US-08-602-999A-203
10	34	29.6	16	4	US-09-500-124-203
11	33	28.7	14	4	US-09-741-171-5
12	33	28.7	18	2	US-09-017-205-20
13	33	28.7	20	4	US-09-413-564C-19
14	32	27.8	20	4	US-09-413-564C-20
15	30	26.1	7	3	US-08-336-553A-6
16	30	26.1	7	3	US-08-336-553A-36
17	30	26.1	7	4	US-08-439-157-6
18	30	26.1	7	4	US-08-439-157-36
19	30	26.1	7	4	US-09-437-895E-6
20	30	26.1	7	4	US-09-437-895E-36
21	30	26.1	8	3	US-08-444-818-461
22	30	26.1	8	3	US-08-444-818-462
23	30	26.1	9	2	US-08-146-028-295
24	30	26.1	9	2	US-08-146-028-296
25	30	26.1	9	2	US-08-146-028-297
26	30	26.1	9	2	US-08-146-028-301
27	30	26.1	9	2	US-08-146-028-302

28	30	26.1	9	2	US-08-146-028-303	Sequence 303, App
29	30	26.1	9	3	US-08-723-425A-295	Sequence 295, App
30	30	26.1	9	3	US-08-723-425A-296	Sequence 296, App
31	30	26.1	9	3	US-08-723-425A-297	Sequence 297, App
32	30	26.1	9	3	US-08-723-425A-301	Sequence 301, App
33	30	26.1	9	3	US-08-723-425A-302	Sequence 302, App
34	30	26.1	9	3	US-08-723-425A-303	Sequence 303, App
35	30	26.1	9	3	US-09-112-206-295	Sequence 295, App
36	30	26.1	9	3	US-09-112-206-296	Sequence 296, App
37	30	26.1	9	3	US-09-112-206-297	Sequence 297, App
38	30	26.1	9	3	US-09-112-206-301	Sequence 301, App
39	30	26.1	9	3	US-09-112-206-302	Sequence 302, App
40	30	26.1	9	3	US-09-112-206-303	Sequence 303, App
41	30	26.1	9	4	US-09-790-497A-279	Sequence 279, App
42	30	26.1	9	4	US-09-790-497A-280	Sequence 280, App
43	30	26.1	9	4	US-09-790-497A-281	Sequence 281, App
44	30	26.1	9	4	US-09-790-497A-523	Sequence 523, App
45	30	26.1	9	4	US-09-576-824A-279	Sequence 279, App

#### ALIGNMENTS

##### RESULT 1

US-09-142-524D-94  
; Sequence 94, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 94  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 11  
US-09-142-524D-94

Query Match 58.3%; Score 67; DB 4; Length 15;  
Best Local Similarity 73.3%; Pred. No. 0.0033;  
Matches 11; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Oy 5 NLVFRGCPQHPHFVK 19  
||| ||||| |||  
Db 1 NLPFNGCPQHPFTFK 15

##### RESULT 2

US-09-142-524D-93  
; Sequence 93, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D

; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 93  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC\_FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 10  
US-09-142-524D-93

Query Match 55.7%; Score 64; DB 4; Length 15;  
Best Local Similarity 78.6%; Pred. No. 0.0088;  
Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 FVNNLVFRGCPQ 14  
Db 2 FVNNLVFRGCPQ 15

RESULT 3  
US-09-142-524D-95  
; Sequence 95, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kousuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; PRIOR FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 95  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC\_FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 12  
US-09-142-524D-95

Query Match 48.7%; Score 56; DB 4; Length 15;  
Best Local Similarity 81.8%; Pred. No. 0.12;  
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 10 GPCOPHLFPKV 20  
Db 1 GPCOPHLFPKV 11

RESULT 4  
US-10-118-575A-12  
; Sequence 12, Application US/10118575A  
; Patent No. 6653443  
; GENERAL INFORMATION:  
; APPLICANT: ZHANG, Hui  
; APPLICANT: PONERANZ, Roger  
; APPLICANT: YANG, Bin  
; TITLE OF INVENTION: Multimerization of HIV-1 VIF Protein as  
; TITLE OF INVENTION: a therapeutic target  
; FILE REFERENCE: 8321-82 PC  
; CURRENT APPLICATION NUMBER: US/10/118,575A

; CURRENT FILING DATE: 2002-04-08  
; PRIOR APPLICATION NUMBER: US 60/282,270  
; PRIOR FILING DATE: 2001-04-06  
; NUMBER OF SEQ ID NOS: 26  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 12  
; LENGTH: 12  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic peptide containing PXP motif  
US-10-118-575A-12

Query Match 32.2%; Score 37; DB 4; Length 12;  
Best Local Similarity 75.0%; Pred. No. 45;  
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 13 QPHLPFKV 20  
Db 2 EPHLPFPV 9

RESULT 5  
US-09-281-760E-18  
; Sequence 18, Application US/09281760E  
; Patent No. 6734287  
; GENERAL INFORMATION:  
; APPLICANT: Lawton, Robert  
; APPLICANT: Mermer, Brion  
; APPLICANT: Francoeur, Greg  
; TITLE OF INVENTION: Specific Binding Protein for Treating  
; TITLE OF INVENTION: Canine Allergy  
; FILE REFERENCE: 01-1275A  
; CURRENT APPLICATION NUMBER: US/09/281,760E  
; CURRENT FILING DATE: 1999-03-30  
; PRIOR APPLICATION NUMBER: 09/058,331  
; PRIOR FILING DATE: 1998-04-09  
; NUMBER OF SEQ ID NOS: 39  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 18  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Canis familiaris  
US-09-281-760E-18

Query Match 30.4%; Score 35; DB 4; Length 9;  
Best Local Similarity 83.3%; Pred. No. 3.8e+05;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 12 CQPHLP 17  
Db 1 CPHLP 6

RESULT 6  
US-09-281-760E-25  
; Sequence 25, Application US/09281760E  
; Patent No. 6734287  
; GENERAL INFORMATION:  
; APPLICANT: Lawton, Robert  
; APPLICANT: Mermer, Brion  
; APPLICANT: Francoeur, Greg  
; TITLE OF INVENTION: Specific Binding Protein for Treating  
; TITLE OF INVENTION: Canine Allergy  
; FILE REFERENCE: 01-1275A  
; CURRENT APPLICATION NUMBER: US/09/281,760E  
; CURRENT FILING DATE: 1999-03-30  
; PRIOR APPLICATION NUMBER: 09/058,331  
; PRIOR FILING DATE: 1998-04-09  
; NUMBER OF SEQ ID NOS: 39  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 25  
; LENGTH: 9

TYPE: PRT  
ORGANISM: Canis familiaris  
US-09-281-760E-25

Query Match 30.4%; Score 35; DB 4; Length 9;  
Best Local Similarity 83.3%; Pred. No. 3.8e+05;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 12 CQPHLP 17  
Db 1 CHPHLP 6

RESULT 7  
US-09-281-760E-10

; Sequence 10, Application US/09281760E  
; Patent No. 6734287  
; GENERAL INFORMATION:  
; APPLICANT: Lawton, Robert  
; APPLICANT: Mermer, Brian  
; APPLICANT: Francoeur, Greg  
; TITLE OF INVENTION: Specific Binding Protein for Treating  
; TITLE OF INVENTION: Canine Allergy  
; FILE REFERENCE: 01-1275A  
; CURRENT APPLICATION NUMBER: US/09/281,760E  
; PRIOR FILING DATE: 1999-03-30  
; PRIOR APPLICATION NUMBER: 09/058,331  
; PRIOR FILING DATE: 1998-04-09  
; NUMBER OF SEQ ID NOS: 39  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 10  
; LENGTH: 14  
; TYPE: PRT  
; ORGANISM: Canis familiaris  
US-09-281-760E-10

Query Match 30.4%; Score 35; DB 4; Length 14;  
Best Local Similarity 83.3%; Pred. No. 99;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 12 CQPHLP 17  
Db 3 CHPHLP 8

RESULT 8  
US-08-987-743-11

; Sequence 11, Application US/08987743  
; Patent No. 6123938  
; GENERAL INFORMATION:  
; APPLICANT: Stern, Robert  
; APPLICANT: Csoka, Anthony  
; APPLICANT: Frost, Gregory I.  
; APPLICANT: Wong, Jim M.  
; TITLE OF INVENTION: Purification and Microsequencing of  
; TITLE OF INVENTION: Hylauronidase Isozymes  
; FILE REFERENCE: 9076/088CIP2  
; CURRENT APPLICATION NUMBER: US/08/987,743  
; CURRENT FILING DATE: 1997-12-09  
; EARLIER APPLICATION NUMBER: 08/733,360  
; EARLIER FILING DATE: 1996-10-17  
; NUMBER OF SEQ ID NOS: 16  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 11  
; LENGTH: 17  
; TYPE: PRT  
; ORGANISM: H. sapiens  
US-08-987-743-11

Query Match 30.4%; Score 35; DB 3; Length 17;  
Best Local Similarity 54.5%; Pred. No. 1.2e+02;  
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

Qy 8 FRGPCQPHLPF 18  
Db 1 FXGPLLFXPF 11

RESULT 9  
US-08-602-999A-203

; Sequence 203, Application US/08602999A  
; Patent No. 6184205  
; GENERAL INFORMATION:  
; APPLICANT: SPARKS, Andrew B.  
; APPLICANT: KAY, Brian K.  
; APPLICANT: THORN, Judith M.  
; APPLICANT: QUILLIAM, Lawrence A.  
; APPLICANT: DER, Channing J.  
; APPLICANT: FOWLKES, Dana M.  
; APPLICANT: RIDER, James E.  
; TITLE OF INVENTION: SH3 BINDING PEPTIDES AND METHODS OF  
; TITLE OF INVENTION: ISOLATING AND USING SAME  
; NUMBER OF SEQUENCES: 467  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pennie & Edmonds  
; STREET: 1155 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10036-2711  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/602,999A  
; FILING DATE: 16-FEB-1996  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Misrock, S. Leslie  
; REGISTRATION NUMBER: 18,872  
; REFERENCE/DOCKET NUMBER: 1101-202  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 790-9090  
; TELEFAX: (212) 869-9741/8864  
; TELEX: 66141 PENNIE  
; INFORMATION FOR SEQ ID NO: 203:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 16 amino acids  
; TYPE: amino acid  
; TOPOLOGY: unknown  
; MOLECULE TYPE: peptide  
US-08-602-999A-203

Query Match 29.6%; Score 34; DB 3; Length 16;  
Best Local Similarity 60.0%; Pred. No. 1.6e+02;  
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 10 GPCQPHLPFX 19  
Db 3 GPSKPPLPIK 12

RESULT 10  
US-09-500-124-203

; Sequence 203, Application US/09500124  
; Patent No. 6432920  
; GENERAL INFORMATION:  
; APPLICANT: SPARKS, Andrew B.  
; APPLICANT: KAY, Brian K.  
; APPLICANT: THORN, Judith M.  
; APPLICANT: QUILLIAM, Lawrence A.  
; APPLICANT: DER, Channing J.  
; APPLICANT: FOWLKES, Dana M.  
; APPLICANT: RIDER, James E.

;; TITLE OF INVENTION: SH3 BINDING PEPTIDES AND METHODS OF  
;; TITLE OF INVENTION: ISOLATING AND USING SAME  
;; NUMBER OF SEQUENCES: 467  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Pennie & Edmonds  
;; STREET: 1155 Avenue of the Americas  
;; CITY: New York  
;; STATE: New York  
;; COUNTRY: U.S.A.  
;; ZIP: 10036-2711  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.30  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/500,124  
;; FILING DATE:  
;; CLASSIFICATION:  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 08/602,999  
;; FILING DATE: 16-FEB-1996  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Mistrock, S. Leslie  
;; REGISTRATION NUMBER: 18,872  
;; REFERENCE/DOCKET NUMBER: 1101-202  
;; TELEPHONE: (212) 790-9090  
;; TELEFAX: (212) 869-9741/8864  
;; TELEX: 66141 PENNIE  
;; INFORMATION FOR SEQ ID NO: 203:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 16 amino acids  
;; TYPE: amino acid  
;; TOPOLOGY: unknown  
;; MOLECULE TYPE: peptide  
US-09-500-124-203

Query Match 29.6%; Score 34; DB 4; Length 16;  
Best Local Similarity 60.0%; Pred. No. 1.6e+02;  
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 10 GPCQPHLPFK 19  
||:|||||  
Db 3 GPSKPLPIK 12

RESULT 11  
US-09-741-171-5  
; Sequence 5, Application US/09741171  
; Patent No. 6645734  
; GENERAL INFORMATION:  
; APPLICANT: Kominami, Katsuya  
; APPLICANT: Okui, Akira  
; APPLICANT: Mitsui, Shinichi  
; APPLICANT: Yamaguchi, No. 6645734omi  
; TITLE OF INVENTION: Serine protease specific monoclonal antibodies and their  
; TITLE OF INVENTION: use  
; FILE REFERENCE: 532380  
; CURRENT APPLICATION NUMBER: US/09/741,171  
; CURRENT FILING DATE: 2000-12-21  
; PRIOR APPLICATION NUMBER: PCT/JP99/03578  
; PRIOR FILING DATE: 1999-07-02  
; PRIOR APPLICATION NUMBER: JP 10/187506  
; PRIOR FILING DATE: 1998-07-02  
; NUMBER OF SEQ ID NOS: 5  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 5  
; LENGTH: 14  
; TYPE: PRT  
; ORGANISM: Human being  
US-09-741-171-5

Query Match 28.7%; Score 33; DB 4; Length 14;  
Best Local Similarity 66.7%; Pred. No. 1.9e+02;  
Matches 6; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 4 NNLVFRGPC 12  
||:|||||  
Db 4 NKLVHGPGC 12

RESULT 12  
US-09-017-205-20  
; Sequence 20, Application US/09017205  
; Patent No. 5965357  
; GENERAL INFORMATION:  
; APPLICANT: Marsden, Howard S  
; TITLE OF INVENTION: PEPTIDE STRUCTURES AND THEIR USE IN  
; TITLE OF INVENTION: DIAGNOSIS OF HERPES SIMPLEX VIRUS TYPE 2  
; NUMBER OF SEQUENCES: 86  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Nixon & Vanderhye PC  
; STREET: 8th Floor, 1100 No. 5965357th Glebe Road  
; CITY: Arlington  
; STATE: Virginia  
; COUNTRY: USA  
; ZIP: 22201-4714  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/017,205  
; FILING DATE: 02-FEB-1998  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Mitchard, Leonard C  
; REGISTRATION NUMBER: 29,009  
; REFERENCE/DOCKET NUMBER: 604-436  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (703)816-4000  
; TELEFAX: (703)816-4100  
; INFORMATION FOR SEQ ID NO: 20:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 18 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide from HSV-2 glycoprotein G  
; FRAGMENT TYPE: internal  
US-09-017-205-20

Query Match 28.7%; Score 33; DB 2; Length 18;  
Best Local Similarity 62.5%; Pred. No. 2.4e+02;  
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 10 GPCQPHLP 17  
||:|||||  
Db 6 GPCVPPVP 13

RESULT 13  
US-09-413-564C-19  
; Sequence 19, Application US/09413564C  
; Patent No. 6716428  
; GENERAL INFORMATION:  
; APPLICANT: The Ohio State University Research Foundation  
; APPLICANT: Stevens, Vernon  
; TITLE OF INVENTION: Antigenic modification of polypeptides  
; FILE REFERENCE: URF 2-056 AVI  
; CURRENT APPLICATION NUMBER: US/09/413,564C  
; CURRENT FILING DATE: 2002-08-27  
; PRIOR APPLICATION NUMBER: 09/413,564  
; PRIOR FILING DATE: 1999-10-06  
; NUMBER OF SEQ ID NOS: 43

; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 19  
; LENGTH: 20  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: PEPTIDE  
; LOCATION: (1)..(20)  
; US-09-413-564C-19

Query Match : 28.7%; Score 33; DB 4; Length 20;  
Best Local Similarity 26.7%; Pred. No. 2.7e+02;  
Matches 4; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

Qy 2 FVNNLVFRGQCQPHL 16  
Db 2 YTRDLVYKNDPAPRKI 16

## RESULT 14

US-09-413-564C-20  
; Sequence 20, Application US/09413564C  
; Patent No. 6716428  
; GENERAL INFORMATION:  
; APPLICANT: The Ohio State University Research Foundation  
; APPLICANT: Stevens, Vernon  
; TITLE OF INVENTION: Antigenic modification of polypeptides  
; FILE REFERENCE: URF 2-056 AVI  
; CURRENT APPLICATION NUMBER: US/09/413,564C  
; CURRENT FILING DATE: 2002-08-27  
; PRIOR APPLICATION NUMBER: 09/413,564  
; PRIOR FILING DATE: 1999-10-06  
; NUMBER OF SEQ ID NOS: 43  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 20  
; LENGTH: 20  
; TYPE: PRT  
; ORGANISM: EQUINE  
; FEATURE:  
; NAME/KEY: PEPTIDE  
; LOCATION: (1)..(20)  
; US-09-413-564C-20

Query Match : 27.8%; Score 32; DB 4; Length 20;  
Best Local Similarity 26.7%; Pred. No. 3.7e+02;  
Matches 4; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

Qy 2 FVNNLVFRGQCQPHL 16  
Db 2 YTRDLVYKNDPAPRKI 16

## RESULT 15

US-08-336-553A-6  
; Sequence 6, Application US/08336553A  
; Patent No. 6054264  
; GENERAL INFORMATION:  
; APPLICANT: CHIEN, DAVID Y.  
; APPLICANT: KUO, GEORGE  
; TITLE OF INVENTION: METHODS OF TYPING HEPATITIS C VIRUS AND  
; TITLE OF INVENTION: REAGENTS FOR USE THEREIN  
; NUMBER OF SEQUENCES: 75  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MORRISON & FOERSTER  
; STREET: 755 Page Mill Road  
; CITY: Palo Alto  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94304-1018  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/336,553A  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/060,400  
; FILING DATE: 10-MAY-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: LEHNHARDT, SUSAN K.  
; REGISTRATION NUMBER: 33,943  
; REFERENCE/DOCKET NUMBER: 22300-20947.00  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 813-5600  
; TELEFAX: (415) 494-0792  
; TELEX: 706141  
; INFORMATION FOR SEQ ID NO: 6:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 7 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; US-08-336-553A-6

Query Match : 26.1%; Score 30; DB 3; Length 7;  
Best Local Similarity 57.1%; Pred. No. 3.8e+05;  
Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 12 CQPHLPF 18  
Db 1 CSQHLPY 7

Search completed: February 1, 2005, 07:52:30  
Job time : 19.4286 secs





GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: February 1, 2005, 07:47:50 ; Search time 61.11429 Seconds  
(without alignments)  
118.179 Million cell updates/sec

Title: US-09-202-464-90

Perfect score: 116

Sequence: 1 PCQPHLPFKVDGTVAQDPD 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

- 1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*
- 6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*
- 7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*
- 8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*
- 9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*
- 13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/1/pubpaa/US10D\_PUBCOMB.pep.\*
- 17: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/1/pubpaa/US11\_NEW\_PUB.pep.\*
- 19: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*
- 20: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	65	56.0	15	14	US-10-354-240-95
2	46	39.7	15	14	US-10-354-240-94
3	41	35.3	15	9	US-09-829-549A-40
4	41	35.3	15	14	US-10-354-240-96
5	38	32.8	20	16	US-10-779-890-2
6	37	31.9	12	15	US-10-688-100-12
7	36.5	31.5	17	14	US-10-396-964-11
8	36	31.0	20	9	US-09-941-611-11
9	36	31.0	20	14	US-10-044-995-11
10	36	31.0	20	16	US-10-779-890-1
11	36	31.0	20	17	US-10-822-871-11
12	35.5	30.6	17	14	US-10-396-964-10
13	35	30.2	8	14	US-10-304-443-104
					Sequence 95, Appl
					Sequence 94, Appl
					Sequence 40, Appl
					Sequence 96, Appl
					Sequence 2, Appl
					Sequence 12, Appl
					Sequence 11, Appl
					Sequence 11, Appl
					Sequence 11, Appl
					Sequence 1, Appl
					Sequence 11, Appl
					Sequence 10, Appl
					Sequence 104, Appl

14	35	30.2	8	15	US-10-362-527-310	Sequence 310, Appl
15	35	30.2	9	14	US-10-415-389-17	Sequence 17, Appl
16	35	30.2	9	14	US-10-325-375A-10	Sequence 10, Appl
17	35	30.2	9	14	US-10-325-375A-11	Sequence 11, Appl
18	35	30.2	9	14	US-10-325-375A-12	Sequence 12, Appl
19	35	30.2	12	14	US-10-322-210-16	Sequence 16, Appl
20	35	30.2	12	14	US-10-304-443-16	Sequence 16, Appl
21	35	30.2	12	15	US-10-362-527-75	Sequence 75, Appl
22	35	30.2	20	9	US-09-864-761-48864	Sequence 48864, A
23	34.5	29.7	18	16	US-10-685-898-100	Sequence 100, Appl
24	34	29.3	17	17	US-10-751-106-3	Sequence 3, Appl
25	33.5	28.9	18	15	US-10-373-408B-56	Sequence 56, Appl
26	33	28.4	20	17	US-10-474-955-23	Sequence 23, Appl
27	32	27.6	15	14	US-10-371-540-3	Sequence 3, Appl
28	32	27.6	20	9	US-09-731-221-55	Sequence 55, Appl
29	32	27.6	20	9	US-09-731-221-56	Sequence 56, Appl
30	32	27.6	20	9	US-09-731-221-57	Sequence 57, Appl
31	32	27.6	20	14	US-10-245-871-55	Sequence 55, Appl
32	32	27.6	20	15	US-10-253-286-55	Sequence 55, Appl
33	31	26.7	12	9	US-09-832-723-47	Sequence 47, Appl
34	31	26.7	12	14	US-10-303-331-47	Sequence 47, Appl
35	30.5	26.3	14	14	US-10-367-405-18	Sequence 18, Appl
36	30	25.9	10	8	US-08-344-824-192	Sequence 192, Appl
37	30	25.9	11	9	US-09-884-767A-211	Sequence 211, Appl
38	30	25.9	11	9	US-09-791-378-579	Sequence 579, Appl
39	30	25.9	11	11	US-09-791-377-579	Sequence 579, Appl
40	30	25.9	11	14	US-10-224-999A-3199	Sequence 3199, Appl
41	30	25.9	12	14	US-10-224-999A-3207	Sequence 3207, Appl
42	30	25.9	12	14	US-10-224-999A-3208	Sequence 3208, Appl
43	30	25.9	12	16	US-10-656-350-12	Sequence 12, Appl
44	30	25.9	13	14	US-10-224-999A-3216	Sequence 3216, Appl
45	30	25.9	13	14	US-10-224-999A-3217	Sequence 3217, Appl

ALIGNMENTS

RESULT 1

US-10-354-240-95  
; Sequence 95, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akino  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kousuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 95  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cry12 peptide, Figure 2, Row 12  
US-10-354-240-95

Query Match 56.0%; Score 65; DB 14; Length 15;  
Best Local Similarity 78.6%; Pred. No. 0.0033;  
Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 PCQPHLPFKVDGTV 14  
|||||

Db 2 PCQPHFTFKVDGII 15

RESULT 2  
US-10-354-240-94  
; Sequence 94, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 94  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 11  
US-10-354-240-94

Query Match 39.7%; Score 46; DB 14; Length 15;  
Best Local Similarity 77.8%; Pred. No. 3.1;  
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 PCQPHLPFK 9  
| | | | |  
Db 7 PCQPHFTFK 15

RESULT 3  
US-09-829-549A-40  
; Sequence 40, Application US/09829549A  
; Patent No. US20020052484A1  
; GENERAL INFORMATION:  
; APPLICANT: The Curators of the University of Missouri  
; TITLE OF INVENTION: PHAGE DISPLAY SELECTION OF ANTI FUNGAL PEPTIDES  
; FILE REFERENCE: UMO 1521.1  
; CURRENT APPLICATION NUMBER: US/09/829,549A  
; CURRENT FILING DATE: 2001-04-10  
; PRIOR APPLICATION NUMBER: US 60/195,785  
; PRIOR FILING DATE: 2000-04-10  
; NUMBER OF SEQ ID NOS: 48  
; SOFTWARE: Patentin version 3.0  
; SEQ ID NO 40  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: DOMAIN  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Random peptide insert  
US-09-829-549A-40

Query Match 35.3%; Score 41; DB 9; Length 15;  
Best Local Similarity 85.7%; Pred. No. 19;  
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 CQPHLPF 8  
| | | | |  
Db 4 CHPHLPF 10

## RESULT 4

US-10-354-240-96  
; Sequence 96, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 96  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 13  
US-10-354-240-96

Query Match 35.3%; Score 41; DB 14; Length 15;  
Best Local Similarity 66.7%; Pred. No. 19;  
Matches 8; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 5 HLPFKVDGTIVA 16  
| | | | | | | | | | | | | | | |  
Db 1 HFTFKVDGIIAA 12

## RESULT 5

US-10-779-890-2  
; Sequence 2, Application US/10779890  
; Publication No. US20040142871A1  
; GENERAL INFORMATION:  
; APPLICANT: Shaughnessy, S.  
; TITLE OF INVENTION: OSTEOPOROSIS TREATMENT  
; FILE REFERENCE: MDSP-P04-180  
; CURRENT APPLICATION NUMBER: US/10/779,890  
; CURRENT FILING DATE: 2004-02-17  
; PRIOR APPLICATION NUMBER: PCT/CA99/00516  
; PRIOR FILING DATE: 1999-05-19  
; PRIOR APPLICATION NUMBER: US 09/715,838  
; PRIOR FILING DATE: 2000-11-17  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 2  
; LENGTH: 20  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-779-890-2

Query Match 32.8%; Score 38; DB 16; Length 20;  
Best Local Similarity 66.7%; Pred. No. 77;  
Matches 6; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 PCQPHLPFK 9  
| | | | | | | | |  
Db 7 PCQPHFLK 15

RESULT 6  
US-10-688-100-12  
; Sequence 12, Application US/10688100  
; Publication No. US20040086512A1  
; GENERAL INFORMATION:  
; APPLICANT: ZHANG, Hui  
; APPLICANT: PONERANZ, Roger  
; APPLICANT: YANG, Bin  
; TITLE OF INVENTION: Multimerization of HIV-1 VIF Protein as  
; FILE REFERENCE: 08321-0082 D12  
; CURRENT APPLICATION NUMBER: US/10/688.100  
; CURRENT FILING DATE: 2003-10-17  
; PRIOR APPLICATION NUMBER: US 60/282,270  
; PRIOR FILING DATE: 2001-04-06  
; PRIOR FILING DATE: 2002-04-08  
; NUMBER OF SEQ ID NOS: 26  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 12 :  
; LENGTH: 12  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic peptide containing PXP motif  
US-10-688-100-12

Query Match 31.9%; Score 37; DB 15; Length 12;  
Best Local Similarity 75.0%; Pred. No. 63;  
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 3 QPHLPFKV 10  
:|||||  
DB 2 EPHLPFV 9

RESULT 7  
US-10-396-964-11  
; Sequence 11, Application US/10396964  
; Publication No. US20030198946A1  
; GENERAL INFORMATION:  
; APPLICANT: Simmonds, Peter  
; APPLICANT: Chan, Shiu-Wan  
; APPLICANT: Yap, Peng L.  
; TITLE OF INVENTION: Hepatitis-C Virus Testing  
; NUMBER OF SEQUENCES: 53  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Bell, Seltzer, Park & Gibson, P.A.  
; STREET: 1211 East Morehead Street  
; CITY: Charlotte  
; STATE: No. US20030198946A1th Carolina  
; COUNTRY: United States  
; ZIP: 28234  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0. Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/396,964  
; FILING DATE: 23-MARCH-2003  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/244,116B  
; FILING DATE: 15-JUL-1994  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/GB92/02143  
; FILING DATE: 20-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Sibley, Kenneth D.  
; REGISTRATION NUMBER: 31,665  
; REFERENCE/DOCKET NUMBER: 1749-125

; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 704-377-1561  
; TELEFAX: 704-334-2014  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 17 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; HYPOTHETICAL: NO  
; FRAGMENT TYPE: internal  
; ORIGINAL SOURCE:  
; ORGANISM: Hepatitis-C virus,  
US-10-396-964-11  
  
Query Match 31.5%; Score 36.5; DB 14; Length 17;  
Best Local Similarity 37.5%; Pred. No. 1.1e+00;  
Matches 6; Conservative 4; Mismatches 5; Indels 1; Gaps 1;  
  
QY 2 CQHLPEKVDGTIVAQ 17  
:|||||:  
DB 2 CSQHLPEY-IEGALAEQ 16  
:|||||:  
  
RESULT 8  
US-09-941-611-11  
; Sequence 11, Application US/09941611  
; Patent No. US20020106640A1  
; GENERAL INFORMATION:  
; APPLICANT: DELEYS, ROBERT J  
; POLLET, DIRK  
; MAERTENS, GEERT  
; VAN HEUVERSUN, HUGO  
; TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF  
; ANTIBODIES TO HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NIXON & VANDERHVE P.C.  
; STREET: 1100 NORTH GLEBE ROAD  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22201  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0. Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/941,611  
; FILING DATE: 30-AUG-2001  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/391,671  
; FILING DATE: 1995-02-21  
; APPLICATION NUMBER: WO PCT/EP91/02409  
; FILING DATE: 13-DEC-1991  
; APPLICATION NUMBER: EP 90124241.2  
; FILING DATE: 14-DEC-1990  
; ATTORNEY/AGENT INFORMATION:  
; NAME: SADOFF, B.J.  
; REGISTRATION NUMBER: 36,663  
; REFERENCE/DOCKET NUMBER: 1487-5  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 7038164000  
; TELEFAX: 7038164100  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear

; MOLECULE TYPE: peptide  
; SEQUENCE DESCRIPTION: SEQ ID NO: 11:  
US-09-941-611-11

Query Match 31.0%; Score 36; DB 9; Length 20;  
Best Local Similarity 40.0%; Pred. No. 1.6e+02;  
Matches 6; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

QY 2 CQHLPPKVDGTIVA 16  
| | | | | : : : |  
Db 6 CSQHLPIEQGMMLA 20

## RESULT 9

US-10-044-995-11  
; Sequence 11, Application US/10044995  
; Publication No. US20030049685A1  
; GENERAL INFORMATION:  
; APPLICANT: DELEYS, ROBERT J  
; APPLICANT: POLLET, DIRK  
; APPLICANT: MAERTENS, GEERT  
; APPLICANT: VAN HEUVERSUN, HUGO

; TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF  
; ANTIBODIES TO HEPATITIS C VIRUS

; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NIXON & VANDERHYE P.C.  
; STREET: 1100 NORTH GLEBE ROAD  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA

; ZIP: 22201  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/044,995  
; FILING DATE: 15-Jan-2002  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/391,671  
; FILING DATE: <Unknown>  
; APPLICATION NUMBER: US 07/920,286  
; FILING DATE: 14-OCT-1992  
; APPLICATION NUMBER: WO PCT/EP91/02409  
; FILING DATE: 13-DEC-1991  
; APPLICATION NUMBER: EP 90124241.2  
; FILING DATE: 14-DEC-1990  
; ATTORNEY/AGENT INFORMATION:  
; NAME: SADOFF, B.J.  
; REGISTRATION NUMBER: 36,663  
; REFERENCE/DOCKET NUMBER: 1487-5  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 7038164000  
; TELEFAX: 7038164100

; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; SEQUENCE DESCRIPTION: SEQ ID NO: 11:  
US-10-044-995-11

Query Match 31.0%; Score 36; DB 14; Length 20;  
Best Local Similarity 40.0%; Pred. No. 1.6e+02;  
Matches 6; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

QY 2 CQHLPPKVDGTIVA 16  
| | | | | : : : |  
; MOLECULE TYPE: peptide  
; SEQUENCE DESCRIPTION: SEQ ID NO: 11:  
US-10-044-995-11

Db 6 CSQHLPIEQGMMLA 20

## RESULT 10

US-10-779-890-1  
; Sequence 1, Application US/10779890  
; Publication No. US20040142871A1  
; GENERAL INFORMATION:  
; APPLICANT: Shaughnessy, S.  
; APPLICANT: Austin, R.  
; TITLE OF INVENTION: OSTEOPOROSIS TREATMENT  
; FILE REFERENCE: MDSP-P04-180  
; CURRENT APPLICATION NUMBER: US/10/779,890  
; CURRENT FILING DATE: 2004-02-17  
; PRIOR APPLICATION NUMBER: PCT/CA99/00516  
; PRIOR FILING DATE: 1999-05-19  
; PRIOR APPLICATION NUMBER: US 09/715,838  
; PRIOR FILING DATE: 2000-11-17  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 1  
; LENGTH: 20  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-779-890-1

Query Match 31.0%; Score 36; DB 16; Length 20;  
Best Local Similarity 100.0%; Pred. No. 1.6e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PCOPH 5  
| | | | |  
Db 14 PCOPH 18

## RESULT 11

US-10-822-871-11  
; Sequence 11, Application US/10822871  
; Publication No. US20050003345A1  
; GENERAL INFORMATION:  
; APPLICANT: DELEYS, ROBERT J  
; APPLICANT: POLLET, DIRK  
; APPLICANT: MAERTENS, GEERT  
; APPLICANT: VAN HEUVERSUN, HUGO

; TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF  
; ANTIBODIES TO HEPATITIS C VIRUS

; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NIXON & VANDERHYE P.C.  
; STREET: 1100 NORTH GLEBE ROAD  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22201  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/822,871  
; FILING DATE: 13-Apr-2004  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/10/044,995  
; FILING DATE: 15-Jan-2002  
; APPLICATION NUMBER: US 07/920,286  
; FILING DATE: 14-OCT-1992  
; APPLICATION NUMBER: WO PCT/EP91/02409  
; FILING DATE: 13-DEC-1991  
; APPLICATION NUMBER: EP 90124241.2  
; FILING DATE: 14-DEC-1990  
; ATTORNEY/AGENT INFORMATION:  
; NAME: SADOFF, B.J.  
; REGISTRATION NUMBER: 36,663  
; REFERENCE/DOCKET NUMBER: 1487-5  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 7038164000  
; TELEFAX: 7038164100

; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; SEQUENCE DESCRIPTION: SEQ ID NO: 11:  
US-10-822-871-11

Query Match 31.0%; Score 36; DB 14; Length 20;  
Best Local Similarity 40.0%; Pred. No. 1.6e+02;  
Matches 6; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

QY 2 CQHLPPKVDGTIVA 16  
| | | | | : : : |  
; MOLECULE TYPE: peptide  
; SEQUENCE DESCRIPTION: SEQ ID NO: 11:  
US-10-822-871-11

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; FILING DATE: 14-DEC-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: SADOFF, B.J.
; REGISTRATION NUMBER: 36,663
; REFERENCE/DOCKET NUMBER: 1487-5
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 7038164000
; TELEFAX: 7038164100
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-10-822-871-11

Query Match      31.0%; Score 36; DB 17; Length 20;
Best Local Similarity 40.0%; Pred. No. 1.6e+02;
Matches 6; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

Qy      2 CQHLPEKVDGTIVA 16
Db      6 CSQHLPIEQGMILA 20

RESULT 12
US-10-396-964-10
; Sequence 10, Application US/10396964
; Publication No. US20030198946A1
; GENERAL INFORMATION:
; APPLICANT: Simmonds, Peter
; APPLICANT: Chan, Shiu-Wan
; APPLICANT: Yap, Peng L.
; TITLE OF INVENTION: Hepatitis-C Virus Testing
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bell, Seltzer, Park & Gibson, P.A.
; STREET: 1211 East Morehead Street
; CITY: Charlotte
; STATE: No. US20030198946A1th Carolina
; COUNTRY: United States
; ZIP: 28234
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0. Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10396,964
; FILING DATE: 23-MARCH-2003
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/244,116B
; FILING DATE: 15-JUL-1994
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/GB92/02143
; FILING DATE: 20-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Sibley, Kenneth D.
; REGISTRATION NUMBER: 31,665
; REFERENCE/DOCKET NUMBER: 1749-125
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 704-377-1561
; TELEFAX: 704-334-2014
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
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; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; FRAGMENT TYPE: internal
; ORIGINAL SOURCE:
; ORGANISM: Hepatitis-C virus
US-10-396-964-10

Query Match      30.6%; Score 35.5; DB 14; Length 17;
Best Local Similarity 37.5%; Pred. No. 1.6e+02;
Matches 6; Conservative 4; Mismatches 5; Indels 1; Gaps 1;

Qy      2 CQHLPEKVDGTIVAQ 17
Db      2 CSQHLPI-IEGMLAEQ 16

RESULT 13
US-10-304-443-104
; Sequence 104, Application US/10304443
; Publication No. US20030170229A1
; GENERAL INFORMATION:
; APPLICANT: Smithkline Beecham Biologicals s.a.
; APPLICANT: Peptide Therapeutics Ltd.
; TITLE OF INVENTION: Vaccine
; FILE REFERENCE: B45173CIP
; CURRENT APPLICATION NUMBER: US/10304,443
; CURRENT FILING DATE: 2002-11-26
; PRIOR APPLICATION NUMBER: US/09/698,906A
; PRIOR FILING DATE: 2001-02-20
; NUMBER OF SEQ ID NOS: 121
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 104
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Human peptide sequence
US-10-304-443-104

Query Match      30.2%; Score 35; DB 14; Length 8;
Best Local Similarity 83.3%; Pred. No. 1.5e+06;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      2 CQHLPP 7
Db      1 CHPLPP 6

RESULT 14
US-10-362-527-310
; Sequence 310, Application US/10362527
; Publication No. US20040030106A1
; GENERAL INFORMATION:
; APPLICANT: Friede, Martin
; APPLICANT: Mason, Sean
; APPLICANT: Turnell, William Gordon
; APPLICANT: Vinalis Y De Bassols, Carlot
; TITLE OF INVENTION: Vaccine Immunogens Comprising Disulphide Bridged Cyclised Peptid
; TITLE OF INVENTION: and Use Thereof in the Treatment of Allergies
; FILE REFERENCE: B45236
; CURRENT APPLICATION NUMBER: US/10362,527
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: PCT/EP01/09576
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: GB 0020717.5
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 328
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 310
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial variant of Homo sapiens IgE peptide
US-10-362-527-310
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Query Match 30.2%; Score 35; DB 15; Length 8;  
Best Local Similarity 83.3%; Pred. No. 1.5e+06;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 CQPHLP 7  
| | | | |  
Db 1 CHPHLP 6

RESULT 15  
US-10-415-389-17  
; Sequence 17, Application US/10415389  
; Publication No. US20040115220A1  
; GENERAL INFORMATION:  
; APPLICANT: de Bascis, Carlot Vinals Y  
; TITLE OF INVENTION: Vaccine  
; FILE REFERENCE: B45251  
; CURRENT APPLICATION NUMBER: US/10/415,389  
; CURRENT FILING DATE: 2003-04-25  
; PRIOR APPLICATION NUMBER: PCT/EP01/12932  
; PRIOR FILING DATE: 2001-10-24  
; PRIOR APPLICATION NUMBER: GB 0026334.3  
; PRIOR FILING DATE: 2000-10-27  
; NUMBER OF SEQ ID NOS: 34  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 17  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Human IgE peptide mimotope  
US-10-415-389-17

Query Match 30.2%; Score 35; DB 16; Length 8;  
Best Local Similarity 83.3%; Pred. No. 1.5e+06;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 CQPHLP 7  
| | | | |  
Db 1 CHPHLP 6

Search completed: February 1, 2005, 08:27:19  
Job time : 61.1429 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: February 1, 2005, 07:38:44 ; Search time 18.4286 Seconds  
(without alignments)  
71.973 Million cell updates/sec

Title: US-09-202-464-90

Perfect score: 116

Sequence: 1 PCQPPLPFFKVDGTIVAQDPD 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- 1: /cgn2\_6/ptodata/1/iaa/5A COMB.pdp.\*
- 2: /cgn2\_6/ptodata/1/iaa/5B COMB.pdp.\*
- 3: /cgn2\_6/ptodata/1/iaa/6A COMB.pdp.\*
- 4: /cgn2\_6/ptodata/1/iaa/6B COMB.pdp.\*
- 5: /cgn2\_6/ptodata/1/iaa/PCTUS COMB.pdp.\*
- 6: /cgn2\_6/ptodata/1/iaa/backfiles.pdp.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	65	56.0	15	4	US-09-142-524D-95
2	46	39.7	15	4	US-09-142-524D-94
3	41	35.3	15	4	US-09-142-524D-96
4	37	31.9	12	4	US-10-118-575A-12
5	36.5	31.5	17	1	US-08-244-116B-11
6	36	31.0	14	4	US-09-281-760B-10
7	36	31.0	20	2	US-08-466-975A-11
8	36	31.0	20	2	US-08-391-671A-11
9	36	31.0	20	3	US-08-467-902A-11
10	36	31.0	20	3	US-09-275-265-11
11	36	31.0	20	3	US-08-850-328-8
12	36	31.0	20	4	US-09-941-611-11
13	36	31.0	20	4	US-09-790-497A-52
14	35.5	30.6	17	1	US-08-244-116B-10
15	35	30.2	9	4	US-09-281-760B-18
16	35	30.2	9	4	US-09-281-760B-25
17	34	29.3	13	3	US-08-467-023-183
18	34	29.3	13	3	US-08-467-023-185
19	32	27.6	15	3	US-08-604-365-3
20	32	27.6	15	4	US-09-689-678-3
21	31.5	27.2	15	1	US-08-030-731A-27
22	31	26.2	20	2	US-08-853-623D-27
23	30	25.9	7	3	US-08-336-553A-6
24	30	25.9	7	3	US-08-336-553A-36
25	30	25.9	7	4	US-08-439-157-6
26	30	25.9	7	4	US-08-439-157-36
27	30	25.9	7	4	US-09-437-895-6

28	30	25.9	7	4	US-09-437-895-36	Sequence 36, Appl
29	30	25.9	8	3	US-08-444-818-461	Sequence 461, App
30	30	25.9	8	3	US-08-444-818-462	Sequence 462, App
31	30	25.9	9	2	US-08-146-028-295	Sequence 295, App
32	30	25.9	9	2	US-08-146-028-296	Sequence 296, App
33	30	25.9	9	2	US-08-146-028-297	Sequence 297, App
34	30	25.9	9	2	US-08-146-028-301	Sequence 301, App
35	30	25.9	9	2	US-08-146-028-302	Sequence 302, App
36	30	25.9	9	2	US-08-146-028-303	Sequence 303, App
37	30	25.9	9	3	US-08-723-425A-295	Sequence 295, App
38	30	25.9	9	3	US-08-723-425A-296	Sequence 296, App
39	30	25.9	9	3	US-08-723-425A-297	Sequence 297, App
40	30	25.9	9	3	US-08-723-425A-301	Sequence 301, App
41	30	25.9	9	3	US-08-723-425A-302	Sequence 302, App
42	30	25.9	9	3	US-08-723-425A-303	Sequence 303, App
43	30	25.9	9	3	US-09-112-206-295	Sequence 295, App
44	30	25.9	9	3	US-09-112-206-296	Sequence 296, App
45	30	25.9	9	3	US-09-112-206-297	Sequence 297, App

ALIGNMENTS

RESULT 1

US-09-142-524D-95  
; Sequence 95, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 95  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 12  
US-09-142-524D-95

Query Match 56.0%; Score 65; DB 4; Length 15;  
Best Local Similarity 78.8%; Pred. No. 0.00075;  
Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 PCQPPLPFFKVDGTII 14  
|||||  
Db 2 PCQPPLPFFKVDGTII 15

RESULT 2

US-09-142-524D-94  
; Sequence 94, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D

; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 94  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 11  
US-09-142-524D-94

Query Match 39.7%; Score 46; DB 4; Length 15;  
Best Local Similarity 77.8%; Pred. No. 0.72;  
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 PCQPPLPFK 9  
||| ||  
Db 7 PCQPHFTFK 15

## RESULT 3

US-09-142-524D-96  
; Sequence 96 Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SEQ ID NO 96  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 13  
US-09-142-524D-96

Query Match 35.3%; Score 41; DB 4; Length 15;  
Best Local Similarity 66.7%; Pred. No. 4.4;  
Matches 8; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 5 HLPFKVDGTIVA 16  
||| ||| ||  
Db 1 HFTFKVDGIATA 12

## RESULT 4

US-10-118-575A-12  
; Sequence 12 Application US/10118575A  
; Patent No. 6653443  
; GENERAL INFORMATION:  
; APPLICANT: ZHANG, Hui  
; APPLICANT: PONERANZ, Roger  
; APPLICANT: YANG, Bin  
; TITLE OF INVENTION: Multimerization of HIV-1 VIF Protein as  
; FILE REFERENCE: a Therapeutic Target  
; CURRENT APPLICATION NUMBER: US/10/118,575A

; CURRENT FILING DATE: 2002-04-08  
; PRIOR APPLICATION NUMBER: US 60/282,270  
; PRIOR FILING DATE: 2001-04-06  
; NUMBER OF SEQ ID NOS: 26  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 12  
; LENGTH: 12  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic peptide containing PXP motif  
US-10-118-575A-12

Query Match 31.9%; Score 37; DB 4; Length 12;  
Best Local Similarity 75.0%; Pred. No. 14;  
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 3 QPHLPFKV 10  
: ||| ||  
Db 2 EPHLPFPV 9

## RESULT 5

US-08-244-116B-11  
; Sequence 11 Application US/08244116B  
; Patent No. 5763159  
; GENERAL INFORMATION:  
; APPLICANT: Simmonds, Peter  
; APPLICANT: Chan, Shiu-Wan  
; APPLICANT: Yap, Peng L.  
; TITLE OF INVENTION: Hepatitis-C Virus Testing  
; NUMBER OF SEQUENCES: 53  
; CORRESPONDENCE ADDRESS:  
; ADDRESSER: Bell, Seitzer, Park & Gibson, P.A.  
; STREET: 1211 East Morehead Street  
; CITY: Charlotte  
; STATE: No. 5763159th Carolina  
; COUNTRY: United States  
; ZIP: 28234  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0. Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/244,116B  
; FILING DATE: 15-JUL-1994  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/GB92/02143  
; FILING DATE: 20-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Sibley, Kenneth D.  
; REGISTRATION NUMBER: 31,665  
; REFERENCE/DOCKET NUMBER: 1749-125  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 704-377-1561  
; TELEFAX: 704-334-2014  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 17 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; HYPOTHETICAL: NO  
; FRAGMENT TYPE: internal  
; ORIGINAL SOURCE:  
; ORGANISM: Hepatitis-C virus  
US-08-244-116B-11

Query Match 31.5%; Score 36.5; DB 1; Length 17;  
Best Local Similarity 37.5%; Pred. No. 26;



Matches 6; Conservative 4; Mismatches 5; Indels 1; Gaps 1;

Qy 2 CQPHLPKVDGTIVAQ 17  
Db 2 CSQHLPY-IEGALAEQ 16

RESULT 6  
US-09-281-760E-10  
; Sequence 10, Application US/09281760E  
; Patent No. 6734287  
; GENERAL INFORMATION:  
; APPLICANT: Lawton, Robert  
; APPLICANT: Mermer, Brion  
; APPLICANT: Francoeur, Greg  
; TITLE OF INVENTION: Specific Binding Protein for Treating  
; TITLE OF INVENTION: Canine Allergy  
; FILE REFERENCE: 01-1275A  
; CURRENT APPLICATION NUMBER: US/09/281,760E  
; CURRENT FILING DATE: 1999-03-30  
; PRIOR APPLICATION NUMBER: 09/058,331  
; PRIOR FILING DATE: 1998-04-09  
; NUMBER OF SEQ ID NOS: 39  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 10  
; LENGTH: 14  
; TYPE: PRT  
; ORGANISM: Canis familiaris  
US-09-281-760E-10

Query Match 31.0%; Score 36; DB 4; Length 14;  
Best Local Similarity 54.5%; Pred. No. 25;  
Matches 6; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 2 CQPHLPKVDG 12  
Db 3 CHPLPKSCG 13

RESULT 7  
US-08-466-975A-11  
; Sequence 11, Application US/08466975A  
; Patent No. 5910404  
; GENERAL INFORMATION:  
; APPLICANT: DELEYS, ROBERT J  
; APPLICANT: POLLET, DIRK  
; APPLICANT: MAERTENS, GEERT  
; APPLICANT: VAN HEUVERSWUN, HUGO  
; TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF  
; TITLE OF INVENTION: ANTIBODIES TO HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NIXON & VANDERHYE P.C.  
; STREET: 1100 NORTH GLEBE ROAD  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22201  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/466,975A  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/391,671  
; FILING DATE:  
; APPLICATION NUMBER: US 07/920,286  
; FILING DATE: 14-OCT-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/920,286  
; FILING DATE: 14-OCT-1992  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/466,975A  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/391,671  
; FILING DATE:  
; APPLICATION NUMBER: US 07/920,286  
; FILING DATE: 14-OCT-1992  
; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: WO PCT/EP91/02409  
; FILING DATE: 13-DEC-1991  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP 90124241.2  
; FILING DATE: 14-DEC-1990  
; ATTORNEY/AGENT INFORMATION:  
; NAME: SADOFF, B.J.  
; REGISTRATION NUMBER: 36,663  
; REFERENCE/DOCKET NUMBER: 1487-5  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 7038164000  
; TELEFAX: 7038164100  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; US-08-466-975A-11

Query Match 31.0%; Score 36; DB 2; Length 20;  
Best Local Similarity 40.0%; Pred. No. 38;  
Matches 6; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

Qy 2 CQPHLPKVDGTIVA 16  
Db 6 CSQHLPVIEQWMLA 20

RESULT 8  
US-08-391-671A-11  
; Sequence 11, Application US/08391671A  
; Patent No. 5922532  
; GENERAL INFORMATION:  
; APPLICANT: DELEYS, ROBERT J  
; APPLICANT: POLLET, DIRK  
; APPLICANT: MAERTENS, GEERT  
; APPLICANT: VAN HEUVERSWUN, HUGO  
; TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF  
; TITLE OF INVENTION: ANTIBODIES TO HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NIXON & VANDERHYE P.C.  
; STREET: 1100 NORTH GLEBE ROAD  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22201  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/391,671A  
; FILING DATE: 21-FEB-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/920,286  
; FILING DATE: 14-OCT-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: WO PCT/EP91/02409  
; FILING DATE: 13-DEC-1991  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP 90124241.2  
; FILING DATE: 14-DEC-1990  
; ATTORNEY/AGENT INFORMATION:  
; NAME: SADOFF, B.J.  
; REGISTRATION NUMBER: 36,663  
; REFERENCE/DOCKET NUMBER: 1487-5  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 7038164000

TELEFAX: 7038164100  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 20 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-391-671A-11

Query Match 31.0%; Score 36; DB 2; Length 20;  
Best Local Similarity 40.0%; Pred. No. 38;  
Matches 6; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

QY 2 CQHLFPKVDGTIVA 16  
| | | | | : :  
Db 6 CSQHLFYIEQGMMLA 20

RESULT 9  
US-08-467-902A-11  
; Sequence 11, Application US/08467902A  
; Patent No. 6007982  
; GENERAL INFORMATION:  
; APPLICANT: DELEYS, ROBERT J  
; APPLICANT: POLLET, DIRK  
; APPLICANT: MAERTENS, GEERT  
; APPLICANT: VAN HEUVERSWUN, HUGO  
; TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NIXON & VANDERHYE P.C.  
; STREET: 1100 NORTH GLEBE ROAD  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22201  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/467,902A  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/391,671  
; FILING DATE:  
; APPLICATION NUMBER: US 07/920,286  
; FILING DATE: 14-OCT-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: WO PCT/EP91/02409  
; FILING DATE: 13-DEC-1991  
; APPLICATION NUMBER: EP 90124241.2  
; FILING DATE: 14-DEC-1990  
; ATTORNEY/AGENT INFORMATION:  
; NAME: SADOFF, B.J.  
; REGISTRATION NUMBER: 36,663  
; REFERENCE/DOCKET NUMBER: 1487-5  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 7038164000  
; TELEFAX: 7038164100  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-467-902A-11

Query Match 31.0%; Score 36; DB 3; Length 20;  
Best Local Similarity 40.0%; Pred. No. 38;  
Matches 6; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

QY 2 CQHLFPKVDGTIVA 16  
| | | | | : :  
Db 6 CSQHLFYIEQGMMLA 20

RESULT 10  
US-09-275-265-11  
; Sequence 11, Application US/09275265  
; Patent No. 6287761  
; GENERAL INFORMATION:  
; APPLICANT: DELEYS, ROBERT J  
; APPLICANT: POLLET, DIRK  
; APPLICANT: MAERTENS, GEERT  
; APPLICANT: VAN HEUVERSWUN, HUGO  
; TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NIXON & VANDERHYE P.C.  
; STREET: 1100 NORTH GLEBE ROAD  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22201  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/275,265  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/391,671  
; FILING DATE: 21-FEB-1995  
; APPLICATION NUMBER: US 07/920,286  
; FILING DATE: 14-OCT-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: WO PCT/EP91/02409  
; FILING DATE: 13-DEC-1991  
; APPLICATION NUMBER: EP 90124241.2  
; FILING DATE: 14-DEC-1990  
; ATTORNEY/AGENT INFORMATION:  
; NAME: SADOFF, B.J.  
; REGISTRATION NUMBER: 36,663  
; REFERENCE/DOCKET NUMBER: 1487-5  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 7038164000  
; TELEFAX: 7038164100  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-09-275-265-11

Query Match 31.0%; Score 36; DB 3; Length 20;  
Best Local Similarity 40.0%; Pred. No. 38;  
Matches 6; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

QY 2 CQHLFPKVDGTIVA 16  
| | | | | : :  
Db 6 CSQHLFYIEQGMMLA 20

RESULT 11  
US-08-850-328-8  
; Sequence 8, Application US/08850328  
; Patent No. 6379886  
; GENERAL INFORMATION:  
; APPLICANT: TAKAHAMA, Y.  
; APPLICANT: SHIRAIISHI, J.  
; TITLE OF INVENTION: DIAGNOSTIC REAGENT FOR HEPATITIS  
; TITLE OF INVENTION: C VIRUS INFECTION  
; NUMBER OF SEQUENCES: 13  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MORRISON & FOERSTER  
; STREET: 2000 Pennsylvania Avenue, NW  
; CITY: Washington  
; STATE: DC  
; COUNTRY: USA  
; ZIP: 20006-1888  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows  
; SOFTWARE: FastSeq for Windows Version 2.0b  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/850,328  
; FILING DATE: 02-MAY-1997  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Mays, Thomas D  
; REGISTRATION NUMBER: 34,524  
; REFERENCE/DOCKET NUMBER: 32273-20004.00  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-887-1500  
; TELEFAX: 202-822-0168  
; TELEX: 90-4030  
; INFORMATION FOR SEQ ID NO: 8:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; US-08-850-328-8  
  
Query Match 31.0%; Score 36; DB 3; Length 20;  
Best Local Similarity 40.0%; Pred. No. 38;  
Matches 6; Conservative 3; Mismatches 6; Indels 0; Gaps 0;  
  
QY 2 CQHLPEKVDGTIVA 16  
Db 6 CSQHLPEYIEQGMMLA 20  
  
RESULT 12  
US-09-941-611-11  
; Sequence 11, Application US/09941611  
; Patent No. 6576417  
; GENERAL INFORMATION:  
; APPLICANT: DELEYS, ROBERT J  
; APPLICANT: POLLET, DIRK  
; APPLICANT: MAERTENS, GEERT  
; VAN HEUVERSUN, HUGO  
; TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF  
; ANTIBODIES TO HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NIXON & VANDERHYE P.C.  
; STREET: 1100 NORTH GLEBE ROAD  
; CITY: ARLINGTON  
; STATE: VA

COUNTRY: USA  
ZIP: 22201  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/941.611  
FILING DATE: 30-Aug-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/391,671  
FILING DATE: 1995-02-21  
APPLICATION NUMBER: WO PCT/EP91/02409  
FILING DATE: 13-DEC-1991  
APPLICATION NUMBER: EP 90124241.2  
FILING DATE: 14-DEC-1990  
ATTORNEY/AGENT INFORMATION:  
NAME: SADOFF, B.J.  
REGISTRATION NUMBER: 36,663  
REFERENCE/DOCKET NUMBER: 1487-5  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 7038164000  
TELEFAX: 7038164100  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 20 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
SEQUENCE DESCRIPTION: SEQ ID NO: 11:  
US-09-941-611-11  
  
Query Match 31.0%; Score 36; DB 4; Length 20;  
Best Local Similarity 40.0%; Pred. No. 38;  
Matches 6; Conservative 3; Mismatches 6; Indels 0; Gaps 0;  
  
QY 2 CQHLPEKVDGTIVA 16  
Db 6 CSQHLPEYIEQGMMLA 20  
  
RESULT 13  
US-09-790-497A-52  
; Sequence 52, Application US/09790497A  
; Patent No. 6649735  
; GENERAL INFORMATION:  
; APPLICANT: De Leys, Robert  
; TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES CORRESPONDING  
; TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR USE IN  
; TITLE OF INVENTION: A PROCESS FOR DETERMINATION OF ANTIBODIES OF  
; TITLE OF INVENTION: BIOTINYLATED PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT  
; TITLE OF INVENTION: EPITOPES, A PROCESS FOR PREPARING THEM AND COMPOSITIONS  
; FILE REFERENCE: 2752-16  
; CURRENT APPLICATION NUMBER: US/09/790,497A  
; CURRENT FILING DATE: 2001-02-23  
; PRIOR APPLICATION NUMBER: 09/576,824  
; PRIOR FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 08/723,425  
; PRIOR FILING DATE: 1996-09-30  
; PRIOR APPLICATION NUMBER: 09/146,028  
; PRIOR FILING DATE: 1993-11-22  
; PRIOR APPLICATION NUMBER: PCT/EP93/00517  
; PRIOR FILING DATE: 1993-03-08  
; PRIOR APPLICATION NUMBER: EP 92400598.6  
; PRIOR FILING DATE: 1992-03-06  
; NUMBER OF SEQ ID NOS: 600  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 52  
; LENGTH: 20

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; TYPE: PRT
; ORGANISM: Hepatitis C virus
US-09-790-497A-52

Query Match      31.0%; Score 36; DB 4; Length 20;
Best Local Similarity 40.0%; Pred. No. 38;
Matches 6; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

QY 2 CQPHLPFKVDGTTVA 16
Db 6 CSQHLPIEQGMMLA 20

RESULT 14
US-08-244-116B-10
; Sequence 10, Application US/08244116B
; Patent No. 5763159
; GENERAL INFORMATION:
; APPLICANT: Simmonds, Peter
; APPLICANT: Chan, Shiu-Wan
; APPLICANT: Yap, Peng L.
; TITLE OF INVENTION: Hepatitis-C Virus Testing
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bell, Seltzer, Park & Gibson, P.A.
; STREET: 1211 East Morehead Street
; CITY: Charlotte
; STATE: No. 5763159th Carolina
; COUNTRY: United States
; ZIP: 28234
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0. Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/244,116B
; FILING DATE: 15-JUL-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/GB92/02143
; FILING DATE: 20-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Sibley, Kenneth D.
; REGISTRATION NUMBER: 31,665
; REFERENCE/DOCKET NUMBER: 1749-125
; TELEPHONE: 704-377-1561
; TELEFAX: 704-334-2014
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; FRAGMENT TYPE: internal
; ORIGINAL SOURCE:
; ORGANISM: Hepatitis-C virus
US-08-244-116B-10

Query Match      30.6%; Score 35.5; DB 1; Length 17;
Best Local Similarity 37.5%; Pred. No. 37;
Matches 6; Conservative 4; Mismatches 5; Indels 1; Gaps 1;

QY 2 CQPHLPFKVDGTTVAQ 17
Db 2 CSQHLPI-IEGMLAEQ 16

US-08-244-116B-10

; Sequence 18, Application US/09281760E
; Patent No. 6734287
; GENERAL INFORMATION:
; APPLICANT: Lawton, Robert
; APPLICANT: Meirmer, Brion
; APPLICANT: Francoeur, Greg
; TITLE OF INVENTION: Specific Binding Protein for Treating
; FILE REFERENCE: 01-1275A
; CURRENT APPLICATION NUMBER: US/09/281,760E
; CURRENT FILING DATE: 1999-03-30
; PRIOR APPLICATION NUMBER: 09/058,331
; PRIOR FILING DATE: 1998-04-09
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 18
; TYPE: PRT
; LENGTH: 9
; ORGANISM: Canis familiaris
US-09-281-760E-18

Query Match      30.2%; Score 35; DB 4; Length 9;
Best Local Similarity 83.3%; Pred. No. 3.8e+05;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 CQPHLP 7
Db 1 CHPHLP 6

Search completed: February 1, 2005, 07:52:30
Job time : 18.4286 secs
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